

DX LISTENING DIGEST 13-13, March 27, 2013
Incorporating REVIEW OF INTERNATIONAL BROADCASTING
edited by Glenn Hauser, <http://www.worldofradio.com>

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WORLD OF RADIO 1662 headlines:

*DX and station news about: Argentina, Armenia, Australia, Azerbaijan, Bulgaria, Canada, Central African Republic, Cyprus, Ecuador, Eritrea, Guam, Guiana French, Indonesia, International Vacuum, Japan and non, Korea North, Libya, Madagascar, Malaysia non, Mexico, Micronesia, Netherlands, New Zealand, Oklahoma, Palau, Papua New Guinea, South Africa, Spain, UK, USA, Vietnam non

SHORTWAVE AIRINGS OF WORLD OF RADIO 1662, March 28-April 4, 2013

Thu 0330	WRMI	9955
Thu 2100	WTWW	9479 [confirmed]
Fri 0328v	WWRB	3195 [confirmed from 0329]
Sat 0130v	WBCQ	5110v-CUSB Area 51 [confirmed from 0135.5]
Sat 0630	HLR	7265-CUSB Hamburger Lokalradio
Sat 1430	HLR	7265-CUSB Hamburger Lokalradio
Sat 1500	WRMI	9955 [almost confirmed]
Sat 2330	WTWW	9930 [NEW; confirmed at 2331.5]
Sun 0400	WTWW	5830
Sun 2315	WTWW	9930 [last week extra, but not necessarily again]
Tue 1100	WRMI	9955
Wed 0630	HLR	7265-CUSB Hamburger Lokalradio
Wed 1430	HLR	7265-CUSB Hamburger Lokalradio
Thu 0330	WRMI	9955 [or maybe 1663 if ready in time]

Latest edition of this schedule version, including AM, FM, satellite and webcasts with hotlinks to station sites and audio, is at:

<http://www.worldofradio.com/radioskd.html> or
<http://schedule.worldofradio.org> or <http://sked.worldofradio.org>

For updates see our Anomaly Alert page:
<http://www.worldofradio.com/anomaly.html>

WRN ON DEMAND:
<http://www.wrn.org/listeners/#world-of-radio>

WORLD OF RADIO PODCASTS VIA WRN:
<http://www.wrn.org/listeners/customize-panel/addToPlaylist/98/10:00:00UTC/English>

OUR ONDEMAND AUDIO:
<http://www.worldofradio.com/audiomid.html>
or <http://wor.worldofradio.org>

DAY-BY-DAY ARCHIVE OF GLENN HAUSER'S LOG REPORTS:
Unedited, uncondensed, unchanged from original version, many of them too complex, minutely researched, multi-frequency, opinionated, inconsequential, off-topic, or lengthy for some log editors to manage; and also ahead of their availability in these weekly issues:
<http://www.hard-core-dx.com/index.php?topic=Hauser>

DXLD YAHOOGROUP: Why wait for DXLD? A lot more info, not all of it appearing in DXLD later, is posted at our yg without delay.

When applying, please identify yourself with your real name and location, and say something about why you want to join. Those who do not, unless I recognize them, will be prompted once to do so and no action will be taken otherwise. Here's where to sign up:
<http://groups.yahoo.com/group/dxld/>

** ARGENTINA. Newsletter --- Nueva Radio Madre --- 20 de Marzo de 2013
Ver esta comunicaci n Online [no hotlink]
But linked on a forward via Horacio Nigro to condiglist:
<http://news.enlineasoft.com.ar/formato/horizontal/horizontal.php?idnews=941&base=email_19&idcontablenews=4925>

ARRANCA LA NUEVA RADIO MADRE

A las 21 horas del s bado 23 de marzo comenzar  una marat n radiof nica de lanzamiento de la nueva Radio de las Madres. Durante 24 horas se escuchar n las voces de artistas, m sicos y periodistas que compartir n el micr fono reestrenando el aire de la AM 530, La Primera de la Izquierda.

Te convocamos a ser parte de esta gesta de las Madres que llenar  de palabras el silencio que hace 37 a os pretendi  imponer el golpe

cívico militar. Acércate a sumar tu voz a la de la Asociación Madres de Plaza de Mayo, en Hipólito Yrigoyen 1584 (Prensa Asociación Madres de Plaza de Mayo, via Fabricio Silva, 20 Mar, radioescutas yg via DXLD)

[Nueva entrada] ARGENTINA: La Voz de las Madres tiene nuevo director by gruporadioescuchaargentino

En menos de dos años logró insertarse en las Madres de Plaza de Mayo. Primero se hizo cargo del bar, al que denominó El Revolucionario . Y ahora tomó el control de la Radio de las Madres, impulsado por su ex jefe, Víctor Hugo Morales. Daniel Narezo debutó este fin de semana en su nuevo cargo, con el relanzamiento de la emisora, AM 530. Su designación, en reemplazo de Pedro Lanteri, un hombre de Gabriel Mariotto, generó ruido interno. Prometió figuras como Víctor Hugo, Cynthia García o José Pablo Feinmann, pero no consiguió nada, reveló una fuente de la radio.

El Gordo Narezo (44) ingresó al entorno de Hebe de Bonafini gracias al escándalo de los hermanos Schoklender. Logró hacerse cargo del bar, en Hipólito Yrigoyen 1584. Para eso creó la SRL El Revolucionario, junto a Fabiana Segovia, productora y mano derecha de Víctor Hugo Morales. El lugar fue clausurado hace un año, pero el expediente no prosperó, confirmaron ayer fuentes del Gobierno porteño. Narezo tenía experiencia en el rubro: es dueño de Perú-Perú, un pintoresco restorán palermitano frecuentado por figuras del kirchnerismo. Antes de ingresar al mundo gastronómico fue productor radial. En sus comienzos trabajó con Alejandro Dolina. La relación no terminó bien y derivó en una disputa judicial.

Narezo fue ganando la confianza de Bonafini, hasta que a fines del año pasado se hizo cargo del Consejo Directivo que gestiona la radio. Su ingreso coincidió con un cambio sustancial en la estructura interna: ahora maneja las cuentas de la emisora. Durante la gestión de Lanteri (estuvo cinco años a cargo) el dinero lo tenía el fideicomiso, confirmó una fuente de la emisora en referencia a la estructura que maneja la Fundación hace dos años y es controlada por un hombre de estrecha confianza del vicepresidente Amado Boudou, Roberto Domínguez. Sólo en el primer semestre de 2012, según los últimos datos oficiales, la radio recibió \$ 1,03 millón de publicidad oficial.

El proyecto de Narezo, según pudo saber Clarín, es atraer mayores inversiones de la mano de figuras del universo K. Sin embargo, hasta ahora solo estaría confirmado el arribo de Diego El Chavo Fucks, quien tiene un arreglo para hacer dos horas diarias, de lunes a viernes. La radio debería autofinanciarse, porque tiene muy pocos empleados propios y mucha gente que colabora ad honorem, contó un ex empleado.

Aunque la relación con Hebe es buena, la titular de la Madres tiene cierta desconfianza. Por eso nombró a una persona cerca de Narezo. La AM 530, rebautizada como Radio Madres, se relanzará este fin de semana, aprovechando el aniversario del golpe militar. En esta ocasión, habrá un acto desde el sábado a la noche. ¡Acércate a sumar tu voz!, dice el anuncio que circula entre los militantes. (Clarín) gruporadioescuchaargentino | 24/03/2013 en 6:40 URL: <http://wp.me/p13Mwc-EB> (via GRA BLOG March 24 via DXLD)

Actualmente en Montevideo la recepción de esta emisora es marginal, para ser benévola, de hecho, apenas un murmullo. Antes se recibía mejor, hasta que una gran tormenta con viento afectó las antenas de varias emisoras bonaerenses, hace ya unos años. Desde entonces nunca fue lo mismo. Hoy estoy fuera de Montevideo, en Cuchilla Alta y la vuelvo a escuchar, aunque bastante bajo. 73 (Moisés Knochen, Uruguay, condiglista yg via DXLD)

** ARGENTINA. Estimados amigos, En estos últimos días está llegando con buena señal una emisora de onda media desde Argentina en los 1620 AM, escuchada a las 0411 a 0435 UT. ID: AM 1620 AIRE NUEVO. Música suave de reflexión pero no religiosa, no QTH, no anuncios comerciales. escuchada el 23 de marzo del 2013. atte. (CESAR PEREZ DIOSES, CHIMBOTE / PERU, Receptor> Grundig YB 400 PE, Antena> Dipolo de 20 mts a 10 mts de altura, Mar 28, radioescutas yg via DXLD)

Excelente escucha, César!! Trataré de averiguar algo desde acá acerca de esa nueva emisora (Arnaldo Slaen, Argentina, ibid.)

** ARGENTINA. Desde hace un tiempo se encuentra transmitiendo en la frecuencia de 1670 kHz, una emisora que se identifica como "RADIO RUBI". La emisora sale al aire con emisiones de prueba y opera desde sus estudios ubicados en el "Salón Rubi", lugar donde se realizan eventos y recepciones, sito en la calle Roberto Billinghamurst N° 1425 de la localidad de Rafael Castillo, Partido de La Matanza, Provincia de Buenos Aires. Anuncia el teléfono: (011) 4669-5064 (Marcelo A. Cornachioni, Buenos Aires, Argentina, March 23, condiglist yg via DXLD)

** ARGENTINA. Radio Gama, Buenos Aires, 2980 kHz: Las "emisoras truchas" de Buenos Aires y sus alrededores, a las que tantas referencias hacen los amigos de esta lista, obturan casi que todas las frecuencias del espectro de Onda Media aquí en Uruguay, y parecen multiplicarse cada día, amen de cambiarse de frecuencia muy seguido. A algunas de ellas no se las escucha en su frecuencia fundamental por los heterodinos que genera la propagación. Pero ahí vienen en ayuda del diexista los transmisores defectuosos --- y los segundos y hasta terceros armónicos... :)

<http://youtu.be/EqA8F7iwQws>

73 desde Montevideo (Rodolfo Tizzi, March 27, condiglist yg via WORLD OF RADIO 1662, DXLD)

Published on Mar 26, 2013 --- Reception of second harmonic of Radio Gama (Valentin Alsina, Buenos Aires, Argentina) on 2980 kHz (1490 kHz x 2) by CX2ABP in Jaureguiberry, Uruguay (GF25hf) (275 km). March 26, 2013 at 0249 UT. Receiver: National Panasonic DR49. Antenna: 100 meters random wire (YT caption via DXLD)

Quite good and clear reception there. So is Gama definitely a pirate? WRTN 2013 has four 1490s in BA province, not including this one, and only one of them has a callsign (Glenn Hauser, DXLD)

** ARGENTINA. 13363.6, LTA, Argentina Armed Forces, Buenos Aires, 1519 24 Mar, LSB mode, px relay tentative, 11111. 73! (- Mauro - Giroletti, -Sw1 1510-, -IK2GFT-, -JRC525Nrd - Lowe HF150-, bclnews.it yg via DXLD)

13363.5-LSB, UT Monday March 25 at 0054, Spanish conversation, then music, fair signal from LTA feeder of unknown Bs As station. Similar conversation on 15345v-AM, LRA R. Nacional, both of which are more likely to be active on weekends. When I got back to 13363.5 after nightly Chaski-check, it was off. Previously the alternate 15820.36-LSB on March 4 also went off before 0100. No sign now of AFN Guam 13362-USB (Glenn Hauser, OK, DX LISTENING DIGEST)

** ARGENTINA. RAE Buenos Aires on 15345.024 kHz at S=9+10dB level March 22 at 2235 UT. This 'morning' at 1130 UT on 15345.097 kHz, also much variable 'wandering' oscillator. Next is RHC on 15340 kHz (Wolfgang B.schel, Germany, wwdxc BC-DX TopNews March 22, dxldyg via DX LISTENING DIGEST) RHC is moving to 17720 for A-13, whew (gh, DXLD)

** ARMENIA. Checked the spurious signals on 9428 and 9362 kHz again around 0145 UT March 21. see screenshots; V Of Russia English 22-24 UT, Spanish 00-05 UT superpower from Gavar site on fundamental 9395 kHz in peaks at S=9+65dB !!!! Spurious on 9362 and 9428 kHz at S=8-9 level. These heard again on various network SDRs in western Europe. vy73 (Wolfgang B.schel, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** ASIA [non]. USA [non], A-13 RFA Daily Broadcast Frequencies

[KUWAIT/LITHUANIA/TINIAN MARIANA ISL/MONGOLIA/PALAU/RUSSIA/SAIPAN/SRI LANKA/TAIWAN/TAJIKISTAN/UAE]

All times in UT.

Burmese (4 hours daily)

0030-0130	9510IRA	12115IRA	15700TIN
1230-1330	7390IRA	9335TIN	13675TIN
1330-1400	7390IRA	9335IRA	12140TIN
1400-1430	7390IRA	9335IRA	
1630-1730	9940TIN		

Cantonese (2 hours daily)

1400-1500	7280TIN	11715TIN
2200-2300	11785TIN	15290TIN

Khmer (2 hours daily)

1230-1330	12140TIN	15145IRA
2230-2330	5885KWT	13740TIN

Korean (5 hours daily)

1500-1700	648RAZ	5820TIN	7210IRK	7455TIN
1700-1800	648RAZ	5820TIN	9975TIN	
1800-1900	648RAZ	5820TIN	7465TIN	
2100-2200	648RAZ	7460MNG	9610TIN	11945SAI

Lao (2 hours daily)

0000-0100	15545TIN	15690IRA
1100-1200	9325SAI	15120IRA

Mandarin (12 hours daily)

0300-0400	13710SAI	15120TIN	15635TJK	17485TIN	17485TIN	17615TIN
	17855SAI	21595TIN	21650TIN			
0400-0500	13790SAI	15615TIN	15635TJK	15660TIN		
	17615TIN	17855SAI	21480TIN	21580TIN		
0500-0600	13790SAI	15615TIN	15635TJK	15660TIN		
	17615TIN	17855SAI	21580TIN	21710TIN		
0600-0700	13790SAI	15615TIN	15635TJK	17495TIN		
	17615TIN	17855SAI	21580TIN	21715TIN		
1500-1600	9455SAI	9605TIN	9905PAL	11520TIN	13675TJK	
	13855TIN	15430SAI				
1600-1630	5890TIN	9455SAI	9905PAL	11520TIN	11870TIN	
	13675TJK	15430SAI				
1630-1700	5890TIN	9725SAI	9905PAL	11550TIN	11870TIN	
	13675TJK	15430SAI				
1700-1800	5890TIN	7445TIN	9355SAI	9455SAI	9555TIN	9905PAL
	11695TIN	13780TJK				
1800-1900	7355TSH-TWN	7445TIN	9355SAI	9455SAI	9690TIN	
	9875TIN	11545SAI	13780TJK			
1900-2000	1098KOU-TWN	5890TIN	7260TIN	7355TSH-TWN	7435TIN	
	9355SAI	9455SAI	9875TIN	9905PAL	11785TIN	13780TJK
2000-2100	1098KOU-TWN	5890TIN	6140TIN	7260TIN	7355TSH-TWN	
	7435TJK	9355SAI	9455SAI	9905PAL	11785TIN	
2100-2200	1098KOU-TWN	5890TIN	6140TIN	7355TSH-TWN	7435TJK	

	9455TIN	9905PAL				
2300-0000	7540TJK	9440SAI	11760TIN	11785TIN	15430TIN	15585TIN

Tibetan (10 hours daily)

0100-0200	9680KWT	9885TJK	11695UAE	17505TIN	17730MNG
0200-0300	9885TJK	11695UAE	11745KWT	17610TIN	17730MNG
0600-0700	17510TJK	17765KWT	21500TIN	21690UAE	
1000-1100	13680KWT	15435TIN	17495TIN		
1100-1200	7470MNG	13830TJK	15195UAE	17495KWT	
1200-1400	7470MNG	11605TIN	13795KWT	13830TJK	15105UAE
1500-1600	9370TJK	11580TIN	11795UAE	11835KWT	
2200-2300	7505TJK	9815KWT{-2315}	9880SAI		
2300-0000	6075KWT	9805UAE	9875TJK	9900KWT{from2315}	

Uyghur (2 hours daily)

0100-0200	9350TJK	9400SIT	11640UAE	11945UAE	17835TIN
1600-1700	9370TJK	9555UAE	9975TIN	11595IRA	

Vietnamese (2 hours daily)

0000-0030	7445KWT	11605TSH-TWN	13730SAI	15170TIN
1400-1430	1503FAO-TWN			
1400-1500	9715TIN	11605TSH-TWN	12130IRA	13640SAI
2300-2400	1503FAO-TWN			
2330-2400	7370KWT	11605TSH-TWN	13570TIN	15170TIN (Radio Free Asia, via William Hague-UK, NWDXC March 25, BCDX March 26 via DXLD)

** AUSTRALIA. There was a minor opening to the South Pacific on the tropical bands this morning. I was able to round up the usual suspects, including a handful of somewhat regular Papuans. I spent some time carefully adjusting the oscillator on the SDR-IQ and measuring the station I believe to be Radio Symban. If anyone is interested in my calibration technique using SDR-Console, I would be glad to share; drop me a note.

130327, 1205, 2368.475, R Symban, Peats Ridge--Gosford NSW, Australia, 33232. Signal peeking here at local sunrise. Female vocals, some dialog, more music. Still no ID, but am all but certain this is Symban (Mike Gilchrist, East Central Iowa, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST) See also PNG

2368.5, March 27 at 1232, JBA carrier and trace of music, presumably R. Symban, much weaker than 2325 and 2485 which themselves are too weak to copy.

This correlates with Mike Gilchrist's report from Iowa above and with Ron Howard's from California:

``2368.48, Radio Symban (presumed) ñ 1244-1312 with EZL pop songs

of the Pacific region; one of their better days, but heavy QRN.
Still broadcasting on their extended schedule.

BTW ñ The QSL card I received from John Wright indicated location as
"Leppington (near Sydney) N.S.W."

<https://www.box.com/s/v2cwaj900termgplxs4>

Copy of QSL card` (Glenn Hauser, OK, WORLD OF RADIO 1662, DX
LISTENING DIGEST)

** AUSTRALIA. 9580 & 11945, Thursday March 21 until 1357, RA with
'Body Sphere' from ABC Radio National, a new one on me which
apparently started in January. Leave it to RA for stimulating new
ideas on SW radio, which you really don't find anywhere else, since
public radio in the US is not on SW, and BBC hardly matters any more.

If RA ever gives up on SW, I think I shall too. Anyhow, ABCRN programs
are available on demand.

Now it's a discussion of perfumes to be ingested as capsules and then
emitted as sweat, other neat stuff. The episode I caught part of:
<http://www.abc.net.au/radionational/programs/bodysphere/body-architecture/4565588>

After 1405, 'Conversation' about early aviators, love triangles,
murder, etc.:
<http://www.abc.net.au/radionational/programs/conversations/alan-lancaster/4582268>

6080, March 23 at 1353, R. Australia with 'Saturday Night Country'
music. This frequency is supposed to close at 1300. 6020 is supposed
to remain until 1400, but not on now, so mixup at Shepparton? 5995
Brandon not audible, but it's late; 5940 Shep poorly audible.

6080-AM, March 24 at 1325, RA is off this frequency and on 6020-AM,
unlike 24 hours earlier, the reverse, so now back on proper schedule.
See also PALAU (Glenn Hauser, OK, DX LISTENING DIGEST)

** AUSTRALIA [and non]. Radio Australia update, according Radio
Australia, A13 v1.0 operating schedule, effective April 7, 2013.
N = DRM mode - {but DRM not reported yet, wb. [except for Brandon]}

5940 1300 1700 43,44,50,51,54,55,58N	SHP 100 334 D En	AUS ABC
5955 2300 2330 49NW	DHA 500 85 D	BurmeseUAE BAB
5995 0800 0900 51,56,61,64,65	BRN 10 10 D En	AUS ABC
5995 0900 1100 51,56,61,64,65	BRN 10 10 D Tok Pisin	ABC
exc. English 1000-1100 UT Sat/Sun		
5995 1100 1200 51,56,61,64,65	BRN 10 10 D En	AUS ABC
5995 1200 1400 51,56,61,64,65	BRN 5 10 N En	AUS ABC DRM
5995 1400 1800 51,55,56,61,64,65,76,77	SHP 100 30 D En	AUS ABC
6080 0900 1100 45,50,51,54E,56W,64	SHP 100 5 D Tok Pisin	ABC

exc. English 1000-1100 UT Sat/Sun

6080	1100	1300	44,45,50,51,54E,55,59N,64	SHP	100	5	D	En	AUS	ABC
6080	1730	2030	45,50,51,54E,56W,64	SHP	100	5	D	En	AUS	ABC
6140	1100	1300	49	SNG	100	13	D	En	SNG	BAB
6150	0900	1100	51,55,56,64,65	SHP	100	30	D	Tok	Pisin	ABC

exc. English 1000-1100 UT Sat/Sun

6150	1100	1400	51,55,56,61,76,77	SHP	100	30	D	En	AUS	ABC
7240	1500	1700	56,60-63,76,77	SHP	100	40	D	En	AUS	ABC
7410	0700	0900	51,55,56,61,64,65,76,77	SHP	100	30	D	En	AUS	ABC
9475	0700	0900	50,51,54,55,58N	SHP	100	353	D	En	AUS	ABC
9475	0900	1100	51,55,56,61,64,65,76,77	SHP	100	30	D	Tok	Pisin	ABC

exc. English 1000-1100 UT Sat/Sun

9475	1100	1300	43,44,50,51,54,55,58N	SHP	100	329	D	En	AUS	ABC
9475	1300	1430	43,44,50,51,54,55,58N	SHP	100	329	D	Chin	AUS	ABC
9475	1430	1700	43,44,50,51,54,55,58N	SHP	100	329	D	En	AUS	ABC
9475	1700	1900	43,44,50,51,54,55,58N	SHP	100	329	D	En	AUS	ABC
9500	1700	2030	43,44,45,50,51,54,55,58	SHP	100	353	D	En	AUS	ABC
9500	2030	2200	43,44,45,50,51,54,55,58	SHP	100	355	D	En	AUS	ABC
9540	1600	1630	49	SNG	100	340	D	En	SNG	BAB
9580	0800	1000	56,60-63	SHP	100	80	D	En	AUS	ABC
9580	1000	1500	56,60-63	SHP	100	70	D	En	AUS	ABC
9580	1700	2100	56,60-63	SHP	100	70	D	En	AUS	ABC
9660	2100	0800	51,56,61,64,65	BRN	10	10	D	En	AUS	ABC
9695	2200	2330	51W,54	DHA	500	105	D	Ins	UAE	BAB
9710	0700	0900	45,51,54E,55,56W,64,65W	SHP	100	353	D	En	AUS	ABC
9710	0900	1100	45,51,54E,55,56W,64,65W	SHP	100	353	D	Tok	Pisin	ABC

exc. English 1000-1100 UT Sat/Sun

9710	1800	2000	51,55,56,61,64,65,76,77	SHP	100	30	D	En	AUS	ABC
9855	2200	2400	49	DHA	500	90	D	En	UAE	BAB
9965	1300	1430	43SE,44S,49	HBN	100	318	D	Chin	USA	BAB
11650	2000	2200	51,55,56,61,64,65,76,77	SHP	100	30	D	En	AUS	ABC
11660	1530	1730	44,49-51,54,55,58N	SHP	100	329	D	En	AUS	ABC
11660	1900	2100	56,60-63,76,77	SHP	100	65	D	En	AUS	ABC
11665	1300	1430	44,49-51,54,55,58N	SHP	100	329	D	Chin	AUS	ABC
11665	1430	1530	44,49-51,54,55,58N	SHP	100	329	D	En	AUS	ABC
11695	2030	2200	50,51,54,55,58N	SHP	100	329	D	En	AUS	ABC
11695	2200	2330	50,51,54,55,58N	SHP	100	329	D	Ins	AUS	ABC
11780	0100	0130	49NW	SNG	100	340	D	Burmese	SNG	BAB
11880	1530	2000	51,55,56,61,64,65,76,77	SHP	100	50	D	En	AUS	ABC
11945	0600	1000	51E,56,61-65	SHP	100	100	D	En	AUS	ABC
11945	1100	1300	44,49-51,54,55,58N	SHP	100	329	D	En	AUS	ABC
12005	0000	0030	49NW	SNG	250	340	D	Burmese	SNG	BAB
12065	1000	1530	56,60-63,65	SHP	100	70	D	En	AUS	ABC
12080	2000	0900	51,56,60-62	BRN	10	80	D	En	AUS	ABC

exc. French 0300-0315 UT Mon-Fri

12080	0900	1100	51,56,60-62	BRN	10	80	D	Tok	Pisin	ABC
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exc. English 1000-1100 UT Sat/Sun

12080	1100	1200	51,56,60-62	BRN	5	80	N	En	AUS	ABC	DRM
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13630	0500	0800	56,60-63,76,77	SHP	100	50	D En	AUS	ABC
13630	2100	2300	51E,56,61,64,65	SHP	100	65	D En	AUS	ABC
15160	0100	0500	56,60-63	SHP	100	65	D En	AUS	ABC
15240	0000	0900	51,55,56,61,64,65	SHP	100	30	D En	AUS	ABC
	exc. French 0300-0315 UT Mon-Fri								
15240	2200	2400	51,55,56,61,64,65,76,77	SHP	100	30	D En	AUS	ABC
15415	2200	0700	50,51,54,55,58N	SHP	100	355	D En	AUS	ABC
15515	0300	0557	61-63	SHP	100	70	D Fr	AUS	ABC
	exc. French 0300-0315 UT Mon-Fri								
15515	2000	2300	51,55,56,61,64,65,76,77	SHP	100	50	D En	AUS	ABC
17750	0000	0030	44,49-51,54,55,58N	SHP	100	329	D Ins	AUS	ABC
17750	0030	0400	44,49-51,54,55,58N	SHP	100	329	D En	AUS	ABC
17750	0400	0530	44,49-51,54,55,58N	SHP	100	329	D Ins	AUS	ABC
17750	0530	0700	44,49-51,54,55,58N	SHP	100	329	D En	AUS	ABC
17750	2330	2400	44,49-51,54,55,58N	SHP	100	329	D En	AUS	ABC
17795	2300	0300	51E,56,61-65	SHP	100	50	D En	AUS	ABC
17800	0400	0500	54	HBN	100	270	D Ins	USA	BAB
19000	2300	0100	45,51,55,56,60-65	SHP	100	65	D En	AUS	ABC
19000	0100	0300	56,60-63,76,77	SHP	100	70	D En	AUS	ABC
21725	0300	0500	45,50,51,54W,55,56,64,65	SHP	100	355	D En	AUS	ABC
21725	0500	0700	44,49-51,54,55,58N	SHP	100	329	D En	AUS	ABC
21740	2100	0100	56,60-63,76,77	SHP	100	70	D En	AUS	ABC

(Nigel Holmes-AUS, checked Febr 15/18, via Andreas Volk-D at ADDX club Munich Germany; via wwdxc BC-DX TopNews March 21 via WORLD OF RADIO 1662, DXLD)

Changes relate to the off-shore relay of Singapore. The new 250 kW RIZ type shortwave transmitter came into usage now at Kranji, moved here from mothballed Skelton Cumbria site of Babcock in UK (Wolfgang B,schel, dxldyg via DX LISTENING DIGEST)

The two DRM transmissions on 5995/12080 kHz from Brandon have been on-air for several years. It's DRM from Shepparton that is yet to appear. 73 (Chris Mackerell, 217 Sandy Bay - Marahau Road, Marahau, RD 2, Motueka 7197, New Zealand, ibid.)

Thanks for your comment. Check on March 22 on 12080 Brandon showed no DRM mode transmission. The channel is empty, 11-12 UT. Checked in Japan and Australia remote posts. 73 (Wolfg, DX LISTENING DIGEST)

5990-5995-6000, March 24 at 1249, DRM noise is audible here from RA Brandon, no doubt too weak to decode; currently scheduled at 12-14 UT (Glenn Hauser, OK, DX LISTENING DIGEST)

** AUSTRALIA [and non]. 15340, March 21 at 1341, HCJB, S Asian language way atop RHC making a SAH; 1343 RHC is gaining a bit during HCJB contact info, while its 15230 is JBA. Most unusual for HCJB to

surpass CCI from RHC, but N American signals are unusually attenuated. EiBi and Aoki show 15340 daily at 1330-1400 Hindi, 1400-1430 Urdu, while a wide variety of minority languages run at 1200-1330 & 1430-1515.

15340, March 26 at 1334, HCJB with Hindi talk about English words, carbohydrates, protein, water, audible thanks to absence of CUBA, which often has one transmitter missing in the mornings, but you never know which frequency it will be (Glenn Hauser, OK, DX LISTENING DIGEST)

** AUSTRALIA. 6230-USB, VMW, Wiluna Meteorological Radio, Western Australia 1035 om with weather // 8113-USB, 23 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** AUSTRIA. Re last DXLD issue: Indeed that's all it's registered for in A13 -- 6155 at 05-0615, per HFCC. I'd bet you that ORF will be off SW by the end of the year (Joe Hanlon, NJ, March 24, DX LISTENING DIGEST)

** AZERBAIJAN [non?]. NAGORNO-KARABAKH. /Armenia & Azerbaijan: Radio Voice of Justice was noted with stable signal (for the first time), good audio and clear speech in Azeri on exact 9678 kHz. Observed schedule in March: Tuesdays and Fridays 1403-1426 and repeats on Wednesdays and Saturdays 0603-0626 (times vary around 3-4 minutes). The published recently schedule of VOJ everywhere is with not correct content (Rumen Pankov, Sofia, Bulgaria, March 25, DX LISTENING DIGEST)

1400-1427 on 9677vSPK 010 kW / non-dir to CeAs Azeri Wed/Fri cancelled
0600-0657 on 9677vSPK 010 kW / non-dir to CeAs Azeri Thu/Sat cancelled

New schedule for Voice of Justice, according to monitoring March 23:
0400-0427 on 9680 SPK 010 kW / non-dir to CeAs Azeri Fri/Sat, new time
0900-0959 on 9677vSPK 010 kW / non-dir to CeAs Azeri Fri/Sat, new time
1200-1259 on 9677vSPK 010 kW / non-dir to CeAs Azeri Fri/Sat, new time
1500-1559 on 9677vSPK 010 kW / non-dir to CeAs Azeri Fri/Sat, new time

See video recordings from March 23. Also observed in Sofia March 22:
<http://www.youtube.com/watch?v=UZExcWuw8aI> at 0415 UT March 23, 2013
<http://www.youtube.com/watch?v=qPbfKwx56NI> at 0902 UT March 23, 2013
<http://www.youtube.com/watch?v=etiIhXXPwLI> at 0918 UT March 23, 2013
<http://www.youtube.com/watch?v=OrFJOxcpaM0> at 0955 UT March 23, 2013
<http://www.youtube.com/watch?v=azKEs9JfDPQ> at 1230 UT March 23, 2013
<http://www.youtube.com/watch?v=Klr6oVckhuc> at 1239 UT March 23, 2013
<http://www.youtube.com/watch?v=wP6l20xaEbs> at 1253 UT March 23, 2013
<http://www.youtube.com/watch?v=yZtVnHPZMHw> at 1538 UT March 23, 2013
<http://www.youtube.com/watch?v=suJaNNnsf1c> at 1558 UT March 23, 2013

-- 73! (Ivo, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m.
long wire March 25, dxldyg via DX LISTENING DIGEST)

Another new transmissions of Voice of Justice monitored on March 26:
0400-0427 9680.0 SPK 010 kW / non-dir to CeAs Azeri Tue but no signal
0900-0959 9677.6 SPK 010 kW / non-dir to CeAs Azeri Tue and maybe Wed
1200-1259 9677.6 SPK 010 kW / non-dir to CeAs Azeri Tue and maybe Wed
1500-1559 9677.6 SPK 010 kW / non-dir to CeAs Azeri Tue and maybe Wed
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D,
30 m. long wire, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

AZERBAIJAN [Armenian exclave] Yes, after long absence I heard VoJ
Stepanakert today again at 1535 UT on March 26 at S=8-9 level here in
Germany, on exact 9677.602 kHz; switched the rx to LSB side to
understand the program (Wolfgang B, schel, ibid., WORLD OF RADIO 1662)

** BAHAMAS. 4045-USB, Port Royal Sound, 1111 weather information 22
March sailing vessel.

4045-USB, Highbourne Cay, 1113 22 March, sailing vessel information
requested: <http://www.highbournecaybahamas.com/highbourne-cay.php>
(Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro,
Drake R8, Drake R7, DX LISTENING DIGEST)

** BANGLADESH. 7250, 1955 March 17 with Bollywood songs, ID 1959, S10
with strong QRM from 7245 and 7255. Inner buzzer on vacant carrier
(Zacharias Liangas, Thessaloniki, Greece, not sent until March 27, DX
LISTENING DIGEST)

** BANGLADESH. 15505, March 21 at 1359, BB IS with hum, 1400
timesignal only one second late, opening Urdu, but switches to Arabic
at 1401-1404.5, since that's the only acceptable tongue for Qur'aning,
this being a Friday {i.e. Thursday after sunset}, violating Separation
of Mosque and State (SOMAS). With strange conditions today, see
AUSTRALIA, CUBA, USA, I was wondering if this would propagate, but it
certainly does, in fact achieving SS0B status, thanks to attenuation
of so many other 19mb signals.

15505, March 22 at 1357, BB is on with tone and hum, 1358:20 starts IS
and hum. I'm watching my watch to evaluate the timesignal, but there
is none today! ``Salam Aleikum`` opens Urdu at 1400:05. 1416 solo YL
song and always hum, weaker with flutter.

15505, March 24 at 1358, BB IS, hum, good level but with flutter;
1400, 6-pip timesignal 2.5 seconds late, opening Urdu, theme, and nice
music later in the semihour.

15505, March 25 at 1400, tho S Asia is certainly propagating, e.g. AIR

DRM 15045-15055, no signal from Bangladesh Betar until cuts on at *1401:20 with carrier, soon hum and joining music in progress; 1402 'Yih Bangladesh' ID in Urdu; 1411 into music as I always wonder whether during this semihour the lyrics are in Urdu or Bengali.

So missed the variable timesignal today, but that's no excuse: BB had 15 minutes to get 15505 tuned up after the Nepali service presumably still on 7250 until 1345. At 1415 stepping 1 kHz on the DX-398, it's also obvious that besides the low-frequency hum on 15505, there are separate roaring parasitic spurs at discrete frequencies 15500.5 and 15509.5. And this is a 'new' transmitter??

15505, March 26 at 1359, Bangladesh Betar IS with wow and hum, 6-pip timesignal 5 seconds fast, opening Urdu, poor.

15505, March 27 at 1358, BB IS with flutter, timesignal to 1359:55 again 5 seconds fast, opening Urdu. Hum is worse than usual almost atop the intentional audio (Glenn Hauser, OK, DX LISTENING DIGEST)

** BELARUS. 11730, 23/Mar 2000, R Belarus in Spanish. OM talk. As usual good signal but the modulation is very low and bassy. At 2004, some mention of the second world war and freedom. Constant musical interludes. At 2012 ID by YL and addresses, web site. Bad modulation hinders the understanding, especially during speeches of OM. Local pop music at 2014. 44432 (Jorge Freitas, Feira de Santana, Bahia, 12 14ZS 38 58W - Brasil, dxldyg via DX LISTENING DIGEST)

** BOLIVIA. 4451.2, Radio Santa Ana, Santa Ana de Yacuma 0000 to 0020 with fair signal best in USB 23 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** BOLIVIA. 4699.9, Radio San Miguel, Riberalta, 0958 om vocalist, to 1015, strong signal, 23 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** BOLIVIA. 4716.6, UnID strong carrier, no audio at 0515 to 0520, 20 March.

4716.6, Radio Yatun Ayllu Yura, Yura, 0000 to 0010 with music, strong signal, 22 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** BOLIVIA. 6105.4, R. Panamericana, 1050 to 1100 om in Spanish talk hetting with Taiwan, 21 March (XM, Cedar Key, South Florida, NRD 525D, R8A, E-5 via Robert Wilkner, DX LISTENING DIGEST)

6105.4, Radio Panamericana, 1047 to 1100 "...buenos dias ..." into y1 talk 22 March, 1100 sign on 21 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** BOLIVIA. 6155, R Fides, 1055 to 1115 best ever with Bolivian music announcements, unintelligible ID, surprisingly strong signal, 23 March (XM, Cedar Key, South Florida, NRD 525D, R8A, E-5 via Robert Wilkner, DX LISTENING DIGEST)

** BRAZIL. Radio Caiari, 4785 kHz --- Bastante com'n en las radios brasileiras aun hoy son los programas para despertar a la gente al inicio del día. Cantos de gallos, ladridos de perros, y en ocasiones ruidos de latas y otras estridencias suelen escucharse con un locutor que quiz·s sea agradable para algunos y odioso para unos cuantos. En este caso se trata adem·s de una emisora que nunca había escuchado, que es R·dio Caiari, de Porto Velho, Brasil, que así pretende despertar a todo el estado de Rondônia a eso de las 5 de la mañana hora local (UT -4):

<http://youtu.be/JCvTFePB8iU>

73 desde Montevideo (Rodolfo Tizzi, Uruguay, March 27, condiglista yg via DXLD)

Published on Mar 27, 2013: Reception of Radio Caiari (Porto Velho, Rondonia, Brazil) on 4785 by CX2ABP in Jaureguiberry, Uruguay (GF25hf). March 26, 2013 at 0904 UT. Receiver: National Panasonic DR49. Antenna: 100 meters random wire (YT caption via DXLD)

** BRAZIL. 4885, Brasil, R·dio Clube do Par·, Belém, PA, 0520 Port. Ballads, 0530 "Precious Love" in English, 19 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** BRAZIL. Brasile: Radio Difusora de Macap·, Amapa su 4915 kHz, lettera personale con dettagli : data e ora d'ascolto spedita con lettera raccomandata - ricevuta in 150 days.

Address: Rua Candido Mendes, 525 - Macap· - Amap·, 68900-100, Brasile
V/s: Juliana Alves Coutinho - (Gerente de R·dio Difusora de Macap·)

<http://www.difusora.ap.gov.br>

http://www.difusora.ap.gov.br/aovivo_difusora.php

(Gigi Naj, via Dario Monferini, playdx yg via DXLD)

** BRAZIL. PPE, Observatorio Nacional, Rio de Janeiro, 10000 kHz, 2154 UT. Die bestaetigen mit eine QSL-Karte + QSL-Brief. Die Anschrift:

PPE ObservatÓrio Nacional (10000 kHz)

Rua General JosÈ Cristino 77, S.,o CristÓv.,o

20921-400 Rio de Janeiro RJ BRAZIL

73, Rudolf Grimm, PY2-81502 SWL, Sao Bernardo SP, BRASILIEN

<<http://dxways-br.blogspot.com>>

(via A-DX March 10 via BC-DX March 26 via DXLD)

** BRAZIL. Yes, Brazil very strong on March 22, odd on 'lower side'!
15189.860, R·dio Inconfidência, Belo Horizonte MG, also S=9 at 2230 UT
(Wolfgang B.schel, Germany, wwdxc BC-DX TopNews March 22, dxldyg via
DX LISTENING DIGEST)

** BULGARIA. Test of new Thomson transmitter in Vidin on 576 kHz / 200
kW on March 23-25

<http://vbox7.com/play:e3ce88ee26> - Sofia at 1100 on March 23

<http://vbox7.com/play:602c19babf> - Sofia at 1200 on March 23

<http://www.youtube.com/watch?v=w6j4r2EMud4> - Troyan at 1051 March 23

http://www.youtube.com/watch?v=dTW_6230EYY - Troyan at 1103 March 23

<http://www.youtube.com/watch?v=r0JaQ1SXwcU> - Troyan at 1250 March 23

<http://www.youtube.com/watch?v=aP8XrBiZGxI> - Troyan at 1500 March 23

<http://www.youtube.com/watch?v=2nHEpqTD2WA> - Troyan at 1843 March 23

<http://www.youtube.com/watch?v=Q6eHqGeUTDw> - Troyan at 2225 March 23

<http://www.youtube.com/watch?v=Yv9sRYaz4zk> - Troyan at 2227 March 23

<http://www.youtube.com/watch?v=YIR9DLWU6ig> - Troyan at 0127 March 24

<http://www.youtube.com/watch?v=r0JaQ1SXwcU> - Troyan at 0327 March 24

<http://www.youtube.com/watch?v=nBVq2klQ4Vg> - Troyan at 0430 March 24

<http://youtu.be/o0G24KAm6EM> - Varna at 0445 on March 25

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30
m. long wire, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

Set up for which purpose? Has BNR plans to expand its mediumwave
service again, is something else looming here or has the transmitter
simply been installed, no matter if there is a potential customer at
all? (Kai Ludwig, Germany, ibid.)

Thanks, so that must have been what I heard on 23 March around 1130 UT
on 576 kHz. Nothing in the usual lists made sense, it was weak but
definitely Slavic. I observed slightly enhanced conditions at that
time (local noon), and the Vidin signal faded into the noise soon
after. 73, (Eike Bierwirth, Leipzig, Germany, Perseus SDR + DX-10 Pro
active antenna, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

Members, Glad to see renewed activity from Vidin on 576 with 200 kW.
According to Ivo Ivanov via Wolfgang's Top News these are tests from a
new transmitter. With Vidin having been used on 1224 as a platform for
broadcasts to the rest of Europe and with Christo Botev broadcast
previously with up to 500 kW, Bulgarian National Radio has a number of
options available to it. With current trends in Europe perhaps even a
trial for another broadcaster?? Definitely one to keep under
observation. 73's and 88's (Dan Goldfarb, UK, mwmasts yg via DXLD)

** BULGARIA. [We assume he means Kostinbrod by:]

SECRETLAND Final B-12 schedule of Secretbrod site A from March 1:

1400-1430	12095	SCB 050 kW / 030 deg	EaEu Russian Polish Radio
1400-1700	9700	SCB 050 kW / 126 deg	N/ME English Brother Stair
1430-1500	12095	SCB 050 kW / 030 deg	EaEu Belorussian Polish Radio
1600-1700	11620	SCB 050 kW / 195 deg	EaAf Arabic Mo-Fr Radio Shorouq
1630-1730	6000	SCB 050 kW / 030 deg	EaEu Polish Polish Radio
1700-1730	11560	SCB 050 kW / 195 deg	EaAf Oromo Dimtse Radio Erena
1730-1830	6000	SCB 050 kW / 030 deg	EaEu Belorussian Polish Radio
1800-2100	11650	SCB 050 kW / 090 deg	SoAs English Brother Stair
1800-2100	11685	SCB 050 kW / 195 deg	ECAf English Brother Stair
1830-1900	6000	SCB 050 kW / 030 deg	EaEu Russian Polish Radio
2000-2300	7400	SCB 050 kW / 306 deg	WeEu English Brother Stair

Unconfirmed transmissions, but great probability via Secretbrod site B

0300-0600	9940	secret site	EaAf English/Arabic Radio Miraya
1600-2000	11510	secret site	WeAs Kurdish Denge Kurdistan
1600-1630	17870	secret site	EaAf Somali Mon/Fri Radio Xoriyo
1700-1800	15245	secret site	EaAf Tigrinya Mo/We/Fr VoAssenna
1700-1800	15355-15390	secret/hidden site	EaAf Amharic E SAT Radio

(DX RE MIX NEWS #773 from Georgi Bancov and Ivo Ivanov, March 21, 2013 via DXLD)

** CANADA. 990, CP, QC Montreal ñ CP for new station here (taking over CKGM's old 990 facilities with 50 kW) as iRadio FiertÉ (LGBT - oriented station) will have calls CHRF (Canadian news via Shawn Axelrod, AM Switch, NRC DX News Feb 25 via DXLD)

** CANADA. SAVING THE CBC: A MANIFESTO FOR CHANGE | Toronto Star
An interesting item on changes that could help the CBC or enable it to avoid further downsizing. An interesting reflection. Shared link:
http://www.thestar.com/news/insight/2013/03/19/saving_the_cbc_a_manifesto_for_change.html
(Richard Cuff / Allentown, PA, ODXA yg via WORLD OF RADIO 1662, DXLD)

** CANADA [and non]. Reminiscing ñ RCI --- This column appeared in the Toledo Chronicle after RCI quit transmitting.
<http://tamatoledonews.com/page/content.detail/id/513079/Goodbye-old-friend.html>
73, (Mike Gilchrist, author, dxldyg via DXLD)

Drive past Sackville --- Posted March 23:
<http://www.youtube.com/watch?v=IdZ4zA71Ezw>
(via Mike Barraclough, March 26, shortwavesites yg via DXLD)

THE RADIO CANADA INTERNATIONAL SHORTWAVE TRANSMITTER (Retired)
Misha LeBlanc Published on Mar 23, 2013

This is where the international shortwave transmitter Radio Canada International (CBC) is. It is retired and not in use. Inside is one of the last remaining RCA transmitters from the 1920-1930's which predates the building. Radio Canada International is only accessible online today 3 - w (dot) rcinet (dot) ca (YT caption, via DXLD) So some masts are still up (gh) see also KOREA SOUTH

** CENTRAL AFRICAN REPUBLIC. The situation in the Central African Republic is beginning to deteriorate. After more than 2 months of ceasefire, the SELEKA rebels have begun offensive action again, yesterday taking the town of Bouca, followed immediately by Batangafo. Today, we've received reports that Bossangoa had also been taken, and more importantly, Damara - the last stronghold outside of Bangui, is also in SELEKA hands.

ICDI's staff on the ground is taking precautions, and trying to move staff and equipment out of harms way.

Please be in prayer for:

- * Safety of the Central African people.
- * That the Boali Radio station would remain safe - the equipment that can be moved is being moved to other locations.
- * That the ICDI staff would be safe as they work to get our equipment into safe locations.

(ICDI newsletter March 22 via WORLD OF RADIO 1662, DXLD)

Dear ICDI supporters, The Seleka rebels have taken over the capital city of the Central African Republic and ousted President Bozize. Please continue to pray for our staff. Their safety is ICDI's top concern. Please pray that the Central African people will come to a peaceful resolution of this conflict.

There is a great deal of uncertainty, but we do know that rebels and looters have taken property from the ICDI office in Bangui. One of ICDI's dedicated employees was able to call and he shared his story of trying to protect the office from further looting. Here is an excerpt of that conversation:

"At 9:30 I was at home and Seraphin called me and said 'I heard that ICDI was looted.' My heart broke and I got up and took my moped and I hurried over here to ICDI, and yes, it was being looted...it seemed like they had started to loot it around 8 o'clock. So I got there, and I yelled 'Hey, what are you all doing!?? This is a Central African's house, why are you looting it like this?' I encountered 5 Seleka soldiers in the building. They were grabbing stuff, and at the same time, others were carrying it out...

In the main room, they brought the safe into the hallway, and threw it

there. They tried to open it by shooting it with their guns, but they couldn't do it. I told them, 'there's not even anything in it anyway' and they left it...My heart hurt."

Click here to hear Alexandre Pembi's phone call [3 minutes, not French?]

<http://vimeo.com/icdinternational/review/62625009/6b50e9c427?utm>

We will share more information as it is available. Below are several news articles with information on the political upheaval.

Sincerely, Jim Hocking, ICDI

* LA Times - African Union suspends Central African Republic after president ousted

<http://www.latimes.com/news/world/worldnow/la-fg-wn-african-union-central-african-republic-20130325,0,6546177.story>

* Al Jazeera - Looting and gunfire in captured CAR capital

<http://www.aljazeera.com/news/africa/2013/03/201332481729584103.html>

* CTV News - Central African Republic president flees to Cameroon

<http://www.ctvnews.ca/world/central-african-republic-president-flees-to-cameroon-1.1209941?utm>

(ICDI Newsletter March 25 via WORLD OF RADIO 1662, DXLD)

Tragedy strikes African station --- Urgent Prayer Request

Dear Supporter, On Monday, March 25, HCJB Global learned that our partner radio station operated by ICDI in the Central African Republic (CAR) is off the air after a weekend coup. Looters stole and damaged some of the radio equipment that had been moved to the ministry's offices in the capital city of Bangui after the fighting began. Stephen Peacock, an HCJB Global machinist, departed the country just hours before the capital was overrun. However, local staff members at ICDI were forced to abandon the compound as the conflict escalated.

There were reports of shooting near some of ICDI's other facilities. Looters also stole three of the mission's vehicles. At this point, the radio station is off the air because all three of the station's computers and the soundboard were stolen by looters. It is also unsafe for anyone to be out in public.

While all ICDI staff members are safe and accounted for, Alexandre Pembi, who has served the mission for many years, was informed that looters had been on the compound in Bangui for more than an hour. Upon receiving this call, he went to the station in an attempt to stop them. He was not injured in the confrontation, but Jay Hocking, ICDI's

communications director, said, "His frustration at the organization being looted, after he's spent years of his life working hard to get it to where it was, made him take some rather risky actions."

Please pray for the safety of our friends, and their ongoing ministry of ICDI and HCJB Global in CAR during this volatile time.

Though an army besiege me, my heart will not fear; though war break out against me, even then will I be confident (Psalm 27:3).

Also, please continue to pray for our colleague who was recently taken captive in a restricted country. He is still awaiting sentencing for his faith in the coming weeks. Serving Him together, Wayne Pederson, President, HCJB Global (HCJB mailing list via DXLD)

FAITH-BASED AGENCY LOOTED AS REBELS SEIZE CENTRAL AFRICAN REPUBLIC IN COUP [illustrated:]

<https://www.hcjb.org/hcjb-global-news/sub-saharan-africa/central-africa-republic.html>

CAR04 radio studio 1r [caption] Staff members work on producing a radio program at ICDI's sound room in Boali, about 65 miles from the capital. Left to right: Matongo Bienvenu (deejay), Samuel (lead person) and Boniface (technician).

(March 27, 2013 - by Ralph Kurtenbach and Harold Goerzen) A faith-based organization in Central African Republic (CAR) was looted following a coup on Sunday, March 24, that ousted President François Bozizé from office. With the security situation there still uncertain, telephone conversations with the employees at Integrated Community Development International (ICDI) indicate that their fast response and valiant efforts safeguarded some of the agency's equipment, even amid great losses to theft.

Some 90 minutes after fighters of the group, Séléka (Sango for "coalition"), and others began ransacking the ICDI guesthouse and offices in the capital city, Bangui, a staff member, Alexandre Pembi, was alerted at home.

Contacted by the head accountant, Seraphin, Pembi hopped on his moped to see about the emergency. He arrived to find five soldiers and a small crowd of looters helping themselves to the house's contents, with others carrying off the booty. He later related that he challenged them with, "This is a Central African's house. Why are you looting it like this?"

When the fighters hauled a safe into a hallway and began shooting the lock, he said, "There's not anything in it anyway," so they left it.

He managed to stop them from stealing a refrigerator and gas stove from the kitchen, even though they made off with a freezer full of food and a tank of bottled gas.

CAR02 radio station 1r [caption]

Boniface, ICDI's technical expert, shows off the generator facility provided by Hope Community Church in Cary, N.C. ICDI's low-power shortwave radio station near Boali can cover the entire country of Central African Republic with Christian broadcasts.

iThey broke open the storage containers that were inside and took what they wanted and just tromped all over everything else,î he said in a telephone call with Indiana-based Jim Hocking, CEO and founder of ICDI. iIf I hadn't got there when I did, they would have had time to sift through the house more. But thank God I got there. They didn't touch the air conditioners.î

iWe also lost all the compressor rebuild parts for our water well-drilling rig, probably around \$30,000 worth of parts that we just sent in last month and hadn't been installed yet,î said Jay Hocking, who handles the organization's publicity and communications. iThat's going to be a major setback for the well-drilling operation since they were counting on getting that compressor going for this well-drilling season, although we do have a functioning compressor that we can use right now.î

The rebels also took generators, the radio station's mixing board, speaker systems for The Jesus Film setup, video projectors, all three of the station's computers, iPads, mattresses and even dishes, linens, medicines and personal effects. ICDI, which functions as a nonprofit, nongovernmental organization in CAR, also lost three vehicles. For a time, it looked like the two broadcast shortwave transmitters went missing as well, but the Hockings learned on Wednesday, March 27, that they were left alone.

CAR07 Phillippe on antenna 1r [caption] Workmen make repairs to the antenna of ICDI's radio station.

iThe station is not on the air, and it's still dangerous to move around, so we're not asking our employees to return to the station at this time,î Jay Hocking said. iWe'll be continually evaluating the situation.î Asked about security of the ICDI offices (now boarded-up and with caretakers on site), he responded, iSecure is a very relative term. When troops are roaming the streets with guns, I'd give a hesitant yes.î

Pembi, an accountant who has worked for several years with ICDI, summed up his pain at the losses with, iMy heart hurt.î

“We obviously would not have asked him to do something like this [confronting the looters],” added Jay Hocking. “But I think his extreme frustration at the organization being looted after he’s spent years of his life working hard to get it where it was made him take some rather risky actions.”

HCJB Global machinist Stephen Peacock had spent two weeks working on a community development project to install two prototype water well pumps at ICDI’s Mercy Care Center in Bangui. His scheduled return to Indiana on Thursday, March 21, took him out of the African country just before the fighting erupted the next day. On Monday morning the ICDI compound in downtown Bangui was looted.

“Although I am so thankful to make it safely back to my family in the U.S., I feel for those 108 ICDI workers who are left in the country,” Peacock related. “They became good friends and are a joy to work with. They do important water, agricultural and orphan work for the people of the CAR and it is those innocent villagers in need of help that will suffer the most. Very few villages have contact with the outside world.”

Media reports vary in characterizing the number of fighters from the Séléka rebel alliance that invaded Bangui on Sunday, describing them in numbers from hundreds up to thousands. Several armed groups united forces in December to seize towns in CAR’s sparsely settled north. Their threat to march on the capital was halted after agreeing to go to peace negotiations with the government.

CAR’s rebels
[caption] Rebel soldiers stand guard outside a hotel where Séléka rebel alliance leader Michel Djotodia was due to make a declaration in Bangui, Central African Republic. He announced late Monday that he has dissolved the country’s constitution and will stay in power for three years, according to excerpts from the broadcast carried on French radio. (AP Photo)

Troubles had been brewing for months, but a Jan. 11 peace deal would have allowed Bozizé to finish out his term in 2016. However, after it was signed, the rebels later accused the president of reneging on his end of the bargain. Among their demands was for the president to send home South African troops helping prop up the government and to integrate some 2,000 rebel fighters into the military. Bangui was plunged into darkness on Saturday after the invading fighters cut power to much of the capital city.

Bozizé had wielded power in Central African Republic since 2003, about the same year that Jim Hocking had forged a partnership with HCJB Global to support Christian radio broadcasting in CAR. Using Skype,

engineers and technicians at the HCJB Global Technology Center in Elkhart, Ind., had been fielding questions from ICDI in CAR to troubleshoot transmitter and studio questions.

By using Skype and email on their end, we were able to step through several tests and solve the problem which had kept ICDI's one transmitter off the air for three months," said Kathy Witkowski of the Technology Center.

CAR09 pump 1r [caption] Missionary machinist Steve Peacock tests a prototype water well pump at ICDI's Mercy Care Center in downtown Bangui.

In early 2007 HCJB Global engineers Dan Anderson, Curt Bender, Don Hastings and Jeremy Maller assisted ICDI staff in installing two low-power shortwave stations for Radio ICDI near the town of Boali. The government afterwards requested a second frequency for the capital city, which ICDI complied with. Additionally, Jim Hocking's organization drills wells for fresh drinking water, provides orphan care, does agricultural training and HIV/AIDS education, and helps Africans support themselves by starting small businesses.

ICDI does regular maintenance on about 1,000 water wells throughout the CAR to keep them operating," Peacock added. "Four teams regularly visit the wells, document them and make repairs if necessary, but that program is on hold because of the fighting."

Curt Cole, HCJB Global vice president of international ministries, responded to the news with, "Together, let's take a moment right now and thank God that Stephen Peacock is no longer in the CAR. Let's also be praying for our partner ICDI and the staff there during this challenging time."

Cole, who spent his youth as a son of missionaries in Cote d'Ivoire, said, "Our hearts groan for our brothers and sisters in Africa."
Sources: HCJB Global, ICDI, Associated Press, Reuters

Listen to MNN interview with Peacock [5 minutes]

[http://mnnonline.org/player/?](http://mnnonline.org/player/?media=interview&id=3415&length=&date=&utm_source=HCJB+Global&utm_campaign=898f6b5b93-Ministry_Impact_HCJB_Global3_28_2013&utm_medium=email)

[media=interview&id=3415&length=&date=&utm_source=HCJB+Global&utm_campaign=898f6b5b93-Ministry_Impact_HCJB_Global3_28_2013&utm_medium=email](http://mnnonline.org/player/?media=interview&id=3415&length=&date=&utm_source=HCJB+Global&utm_campaign=898f6b5b93-Ministry_Impact_HCJB_Global3_28_2013&utm_medium=email)
(HCJB Global via DXLD)

** CHINA. East Jammerstan: I did one sweep looking for crashing and banging, and all were // with 'crash and bang lite' from 0120 to 0124 16/Mar: 13820, 13850, 13970, 15800, 15610, 16100, 16360, 16920, 17170, 17300, 17370, 17730 were all heard (Kenneth Vito Zichi, MI, MARE
Tipsheet March 22 via DXLD)

Firedrake March 21, before 1400:
11970, poor at 1334
13530, very poor at 1337
13970, poor at 1337 with ute het
None audible in the 14-18 MHz range
(Glenn Hauser, OK, DX LISTENING DIGEST)

Firedrake jamming music heard at 1120 UT on 11545 and 11640 (Wolfgang B, schel, March 22, wwdxc BC-DX TopNews March 26 via DXLD)

Very little time to listen this morning
12500 1234 with excellent signal
15870 1235 with good signal
16160 1236 with Fair signal
(Steve Handler, March 22, DX LISTENING DIGEST)

Steve Handler's March 23, 2013 Firedrake Logs:

11970 Fair 1154
12670 Poor 1420 and 1431
13130 Excellent 1328 and Good at 1348
13530 Good at 1420 and fair-good at 1431
13920 Good 1240
13970 Fair 1155, excellent at 1328 and 1348
14750 Excellent at 1328 and 1348
15400 Good at 1420
15505 Fair-good at 1240
15515 Good 1313 s/off and also 1320 s/on-1328
15900 JBA 1159
15970 JBA 1243
16920 Good at 1239 also good earlier in the day at 0149 repeat 0149
Hope this is of interest. Good DX-73 (Steve Handler, ibid.)

[and non]. 15605, March 22 at 1336, Firedrake with fair signal. Fits nicely for the Aoki listing of V. of Tibet in Chinese via Tajikistan on 15603 at 1330-1343, after which it jumps to 15597.

15400, March 22 at 1417:34, just as I tune across here, Firedrake cuts on mixing with Tibetan which is still readable, i.e. VOT, 1400-1428, 250 kW, 45 degrees from MADAGASCAR. So was it in the clear until then? Otherwise, Firedrake ordinarily runs thruout VOT transmissions, unlike jamming of Sound of Hope taking a break during the first third of the hours. No other Firedrake found 11-18 MHz by 1420.

15795, March 23 at 1314-1315* CNR1 echo jamming, cut off abruptly uncovering nothing. That's exactly when India's only Chinese sesquihour ends. The ChiCom ensure that any communication between neighbors is strictly one-way, with countless unjammed CRI broadcasts

in English, Hindi, Bengali, Tamil!

15605, March 23 at 1339, Firedrake poor, vs. V. of Tibet via Tajikistan, 1330-1343 on 15603 per Aoki.

Quick check for FD before 1400 March 23:

14750, poor at 1358

13130, good at 1358

No others found 12-17 MHz (Glenn Hauser, OK, DX LISTENING DIGEST)

Steve Handler's morning Firedrake Logs for 3/24/13:

12230 Excellent signal 1245 and 1354

13130 Good signal 1246

13920 Excellent signal 1246

15110 Poor-Fair signal 1248 in my opinion targeting the VOA's Mandarin language broadcast scheduled for 1200-1300 via Tinang.

15510 Good signal 1249

15515 Good signal 1355

(Steve Handler, IL, ibid.)

Firedrake March 24, non-exhaustive scans, noted:

14750, JBA at 1322

15400, fair at 1426 mixing with V. of Tibet via MADAGASCAR

15515, poor at 1359-1400* uncovering algo, i.e. R. Aap ki Dunyaa, Urdu starting via SRI LANKA, after hetting V. of Tibet via Tajikistan

(Glenn Hauser, OK, DX LISTENING DIGEST)

Steve Handlers Firedrake Logs 3/25/13 Morning:

11500 good signal 1245 and excellent signal 1323 and 1345

11970 poor signal 1346

12370 excellent signal 1246, 1323, 1345

12670 excellent signal 1324 and 1346

13920 excellent signal 1247, poor signal 1324

13970 poor signal 1346

14750 poor signal 1247

15265 poor signal 1357 RTI (tent) underneath

15510 good signal 1255

15515 good signal 1358

15900 excellent signal 1256

15970 excellent signal 1256

16250 fair signal 1256

Good DX and 73 (Steve Handler, IL, ibid.)

Firedrake March 25 after 1330:

11500, poor at 1331

11970, good at 1334

12370, good at 1335

12670, good at 1335; none in the 13s, 14s

15515, good at 1336 with flutter; 1356 with heavy flutter
16160, fair at 1336; none in the 17s
See also INDIA [and non]

Firedrake March 26 before 1400:
14750, good at 1353, none in 13s, 12s
15515, fair-good at 1349 with het on hi side from VOT; none in 16s
17300, poor at 1352; none in 18s

Firedrake March 27 at 1350-1353: none found 18-11 MHz. Asian
conditions were quite depressed above 12 MHz (Glenn Hauser, OK, DX
LISTENING DIGEST)

** CHINA [and non]. VOICE OF RUSSIA AND CHINA RADIO INTERNATIONAL SIGN
"TREATY" TO EXCHANGE CONTENT. Posted: 24 Mar 2013

Voice of Russia, 21 Mar 2013: "The Voice of Russia (VOR) and China
Radio International (CRI) have concluded a treaty on expanding media
cooperation, news reports said on Thursday. The document was signed by
VOR chairman Andrei Bystritsky and his Chinese counterpart Wang
Gengnian in Moscow earlier today in a ceremony also attended by
Russian Deputy Prime Minister Olga Golodets. The treaty stipulates CRI
broadcasting a spate of VOR programs that will help the Chinese people
get a better understanding of Russia's history and culture. For its
part, the VOR will broadcast a series of CRI's programs in Russian.
The document underlines long-term partnership between the VOR and CRI
and contributes to enhancing ties between Russia and China. ... Wang
Gengnian stressed that all the time the Russian-language service of
China Radio International has been in existence, it had received
support from the Voice of Russia." (kimandrewelliott.com via DXLD)

-- Voice of Russia must depend on "news reports" to report on what
Voice of Russia is doing? In any case, this appears to be the exchange
on content on the international services, not VOR content on Chinese
domestic broadcasting outlets, or vice versa. China Radio
International may have "received support" from Voice of Russia, but in
the 1960s and 1970s, the USSR vigorously jammed Radio Peking, and
China did the same to Radio Moscow (Kim Andrew Elliott, *ibid.*)

** CHINA. 9730, March 22 at 1323, CRI English with short/longpath
echo. This hour only registered as 500 kW, 193 degrees from Beijing
site.

9720, March 26 at 1226 startled to hear Spanish, Radio Internacional
de China ID, and then mentioning frequency 12.110 MHz in English! Got
to be ``Filipino`` which integrates those two languages into its own.
Yes, CRI scheduled 1200-1230, 500 kW, 145 degrees from Xi'an, and off
at 1227*, soon replaced by Thailand, q.v. What's with 12110? Nothing

at all scheduled there now or recently or futurely in A13 (Glenn Hauser, OK, DX LISTENING DIGEST) see also FINLAND

** CLIPPERTON ISLAND [non]. XE1L, Luis Chartarifsky, died of a major heart attack earlier this week. He was 69. Luis had just returned from the TX5K Clipperton Island DXpedition earlier this month. He was known around the world with his wonderful smile and friendly attitude. XE1L had 338/352 (current/total) confirmed in the ARRL DXCC Mixed standings. "Luis was a major DXpeditioner (see his qrz.com page) and a true gentleman" remembers G3SXW, Roger Western. Aside from being a DXer, Contester and a DXpeditioner Luis enjoyed traveling and as such was part of many DXpeditions, including: 3Y0PI, 9M0M, 9N7MD, S07L, TX5K, TZ6RM, W4T (NA-079), XF4L, XR0Y, XR0Z and XZ0A just to name a few. Luis was by no surprise a member of the A-1 Operators Club. Many who have attended Dayton, and I am sure other events, have photos of Luis with his always pleasant outlook of life. Mexico and the Amateur Radio community have lost a wonder friend. 73 and Good DX Amigo!
<http://hamgallery.com/dayton2007/d07098.jpg>
[PY2XB - Fred Carvalho]

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73 and Good DX! (via Dave Raycroft, VA3RJ, Home of I.C.P.O., I .C.P.O. Bulletin (22 - 29 March 2013) "Islands, Castles & Portable Operations" via ODXA yg via DXLD) obit

** CUBA. 15340, March 21 at 1341, RHC barely audible under HCJB Australia [q.v.] in Hindi, most unusual, tho starts to gain a bit vs HCJB in the next few minutes, while always weaker 15230 is JBA. Yet 13780 is inbooming as usual. Must be sharp MUF cutoff from Cuba betwixt. 13780 is off early after 1400, while 13740 CRI English relay remains very strong on that band.

11827 & 11853, March 21 at 2134, approx. peaks of big buzz emanating from the 11840 RHC transmitter (Glenn Hauser, OK, DX LISTENING DIGEST)

Hello everyone, Cuban spy right now on 10715 AM; as usual, digital mode, mixed with Cuban Spanish lady with numbers at 2235 UT with good signal in Montreal. Will post a video later on. 73 (Gilles Letourneau, Montreal, Canada

<http://www.youtube.com/officialswlchannel>
March 22, dxldyg via DX LISTENING DIGEST)

6270, March 23 at 0109, RHC mixing product in Spanish and English, since 6060 is in Spanish and 6165 is English, at 105 kHz intervals; while after 0500 it's usually all-English.

[and non]. 17580, Sunday March 24 circa 1340, RHC is on with `En Contacto` DX program, but 17580 is off at 1358, back on at 1427, when 13780 is off, despite own revised website schedule claiming both stay

until 1500 daily. En homenaje a Hugo?

15340, nominal earlier March 24, but at 1429 now open carrier/dead air audiblizing HCJB music underneath, and still dead at 1430 when 15230, 17580 and 17730 are in interval signal.

12060, March 25 at 0104, lite pulse jamming audible here on 2 x 6030 against Martí.

11840, March 25 at 0106, RHC Spanish with no buzz around it, strangely enough. Don't count on it being permanently repaired. See also PERU [and non]

5040, March 27 at 0517, RHC English with continuous rather than intermittent audio dropouts (CADs?) as has happened before on this frequency but not on any of the // overkill quartet on 6 MHz.

9850, March 27 at 1305, RHC Spanish news is still going past nominal 1300* so I keep listening to time when this slipshod operation will cut itself off: 1307* (Glenn Hauser, OK, DX LISTENING DIGEST)

RADIO HABANA CUBA HORARIOS, BANDAS Y FRECUENCIAS EN ESPA-OL
Del 1ro. de Abril al 31 de Octubre de 2013

[this resembles the timeshifted schedule in effect since March 10, but there are a few frequency changes as noted. I have cleaned this up, eliminating redundant meterband entries, kHz, colons and various typos. RHC usually waits a week after the start of an HFCC season to see how things settle in. The RHC website still hasn't been updated to match this, checked 2300 UT March 28 -- gh]

ZONAS GEOGR;FICAS FRECUENCIAS HORARIOS - UTC

Norte, Centro y Sudamérica

6150 1100-1300
11760 1100-1500, 0000-0500

Nueva York

6060 0000-0500
9550 1100-1300
11860 1100-1500

San Francisco

13780 1300-1500

Chicago

9850 1100-1300
15340 1300-1500

América Central
9540 1100-1500
9810 2100-0500
11750 1300-1500

Antillas
6100 2300-0400 [6100 is new, ex-6120]
9710 2100-2300
11690 1100-1500

Rio de Janeiro
11680 2300-0400
17730 1100-1500

Buenos Aires
15230 1100-1500 2300-0400
17580 1100-1500
17705 2100-0400

Chile
11840 2300-0500

Europa
17720 2100-2300 [ex-15340, good news for Argentina 15345v]

BANDA TROPICAL
Cuba, Caribe, Sur de Estados Unidos
5040 2100-2300
México, América Central, Norte de Sudamérica
5040 0100-0500

[it's unclear from copying original table layout whether 5040 is really meant for two different sets of targets in the two segments; unseems, as the first set of targets should also apply at 01-05 -gh]

MESA REDONDA [irregular, primarily M-F]
Washington 6000 2300-2400
Chicago 13780 2300-2400 [ex-9640]

RADIO HABANA CUBA HORARIOS, BANDAS Y FRECUENCIAS EN VARIOS IDIOMAS
Del 1ro. de Abril al 31 de Octubre de 2013

TRANSMISIONES EN IDIOMA INGLÉS (ENGLISH) [NO changes since March 10]
Norte, Centro y Sudamérica
6125 0500-0700
América Central
11760 1900-2000

New York
6060 0500-0700
San Francisco
6010 0500-0700
Chicago
6165 0100-0700
Washington
6000 0100-0500
Banda Tropical
5040 2300-2400, 0500-0600
Africa
11880 2300-2400

TRANSMISIONES EN IDIOMA FRANC...S (FRAN«AIS)

Europa
17720 1930-2000 [new, ex-15340]
Am rica Central
11760 2000-2030
Sudam rica
15370 2230-2300
Africa
11880 2200-2230
Banda Tropical
5040 0030-0100

TRANSMISIONES EN IDIOMA PORTUGU...S

R o de Janeiro
15370 2330-2400
Buenos Aires
15230 2200-2300
Africa
11880 2230-2300
Europa
17720 2000-2030 [new, ex-15340]

TRANSMISIONES EN IDIOMA  RABE

Europa
17720 2030-2100 [new, ex-15340]

TRANSMISIONES EN IDIOMA ESPERANTO [SUNDAYS ONLY, don't forget   gh]

San Francisco
6010 0700-0730
Norte, Centro y Sudam rica
11760 1500-1530
Sudam rica
15370 2230-2300

TRANSMISIONES EN IDIOMA CREOLE

Buenos Aires
15370 2300-2330
Banda Tropical
5040 0000-0030

TRANSMISIONES EN IDIOMA QUECHUA
Buenos Aires
15370 0000-0030

Departamento de Correspondencia Internacional
e-mail : radiohc@enet.cu Radio Habana Cuba
<http://www.radiohc.cu/de-interes/correspondencia.html>
(via Dario Monferini, March 27, playdx yg via DXLD)

** CYPRUS. CYBC Radio 2 from Cyprus: FM and streaming only --- I am enjoying the stream. English at 1600-2200 UT which repeats at 2200-0400
<http://www.cybc.com.cy/index.php/radio?id=78>
(Thomas Horton, LA, March 22, dxldyg via DX LISTENING DIGEST)

CYBC weekend program, Babcock Zygi relays have gone for ever ---
Checked CYBC Greek weekend program at 2210 UT Interval signal, program 2215-2245 UT Fri/Sat/Sun relays via Babcock Zygi site. NOTHING heard on Friday March 22 night, not even on program start, the carrier of the 3 SW outlets to UK at 314 degrees anymore. Adio. 73 (Wolfgang B,schel, March 23, DX LISTENING DIGEST)

Hi Wolfy, It's been missing for several weeks, with the closure of the BBC (not Babcock!) SW relay station on Cyprus next weekend, it seems that these relays of CyBC may have been discontinued some time ago. I don't know when the final broadcast was, has anyone heard it at all during 2013? 73s (Dave Kenny, England, DX LISTENING DIGEST)

Totally agree with. My guess is, CYBC Nicosia on SW weekend relay left the air during summer holiday start in end of July/early August 2012, never appeared with audio again. Only the Babcock engineers put the 3 txs at Zygi regularly on air, with empty carrier [or Babcock control room cello interval signal?] around 2210 to approx. 2216 UT, then switched OFF the 3 transmitters at Zygi. 73 wolfy (Wolfgang B,schel, ibid.)

from the archive:

CYPRUS 9760 Cyprus Broadcasting Corp, *2215-2244*, June 16, sign on with their usual Greek theme music. Discussion in Greek. Good. \\ 5925 kHz - very weak. \\ 7220 kHz - on the air at 2218 UT with a fair to good signal. Fri, Sat, Sun only, but irregular.
(Brian Alexander-PA-USA, dxld June 17, 2012)

All three Zyyi Cyprus outlets of CYBC Limassol in Greek, excellent service with fine audio heard tonight, 2210-2245 UT on Fri/Sat/Sun only. 5925 / 7220 / 9760 kHz, all 250/300 kW of power.

NOT on 6135 kHz as AOKI JPN list suggest ...

(wb, wwdxc BC-DX TopNews July 20, 2012) (via B_schel, now)

My last log of CYBC was Saturday 18 August on 9760 (Alan Roe, Teddington, UK, WORLD OF RADIO 1662, DX LISTENING DIGEST)

Zygi SW TX site - Critical Distance & Panoramio

A recent posting from Jonathan re the Zygi SW TX site

<http://criticaldistance.blogspot.com.au/2013/03/bbc-shuts-shortwave-from-cyprus.html>

[this blog stalls for me when I try to load it; why? --- gh]

Also from me, some Panoramio image findings:

<http://www.panoramio.com/photo/37101172>

<http://www.panoramio.com/photo/37101328>

<http://www.panoramio.com/photo/23600826>

Regards (Ian Baxter, NSW, March 26, shortwavesites yg via DXLD)

Members, Cyprus has been dominating the news for other reasons lately. Don't forget that this Easter weekend Zyggi 1323 (used for decades as a reliable source of BBC World Service to Lebanon and Israel) will close. This follows the closure of Zyggi's shortwave services. Zakaki on 639 / 720 will remain (for how long?) 73's and 88's (Dan, mwmasts yg via DXLD)

** CZECHIA. 7039.4, OK0EPB time station from Prague the Czech Republic running apparently all of 10 watts! Sending pips, the call sent once at second 10, "4.5" sent at the BoM and then "UTC 00xx" before the ToM where 'xx' was the minute coming up, then a dash at the minute. This was in surprisingly well, and I have learned that the "4.5" is the 'F0F2' ('critical frequency') in Prague which is a near real-time reading from a propagation lab near the station in MHz. First time heard -- a cool catch! 0020-0030 16/Mar (Kenneth Vito Zichi, MI, MARE Tipsheet March 22 via DXLD)

** DIEGO GARCIA. 4319-USB, AFN, 0000 utility beep on top, om with news items, using 1.4k filter, 23 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

4319-USB, AFN. March 26 found for the third consecutive day without QRM (very nice!); brief check at 1420: iGiving you just what you want ñ Gravityî with the Gravity pop music show. March 25 also found the

iGravityî show at 1405, after the iWall Street Journal Reportî (Ron Howard, Asilomar State Beach, CA, EtÛn E1, dxldyg via DX LISTENING DIGEST)

** DJIBOUTI. 4780, Radio Djibouti, Doraleh, 0300-0330, Djibouti om in Arabic talk, poor to occasionally fair, 23 March (XM, Cedar Key, South Florida, NRD 525D, R8A, E-5 via Robert Wilkner, DX LISTENING DIGEST)

** EAST TURKISTAN. 6005, March 27 at 0054, CRI English about Chinese Opera (with voices!), closing `In the Spotlight` show, into language lesson filler, and // 6020 via Albania. 6005 is 100 kW, 174 degrees from Kashgar at 00-01 only (Glenn Hauser, OK, DX LISTENING DIGEST)

** ECUADOR. 4781.56 approx., March 21 at 0057, singing here is the best S. American signal, no doubt the variable HCLE7, R. Oriental, Tena, Napo. After Chaski check at 0103, preaching about ``se0or Jesucristo``, what else? (Glenn Hauser, OK, DX LISTENING DIGEST)

** ECUADOR. 6050, Radio HCJB, Pichincha. Konnte jemand aus der Runde die letzten Tage morgens Radio HCJB ueber den Pichincha Sender auf 6050 kHz hoeren? Hier in Salzburg ist das Signal immer sehr stabil, nur heute war gar nichts auf 6050 kHz zu vernehmen (Christoph Ratzer-AUT OE2CRM, A-DX March 24)

Hallo Christoph, gestern March 24, 19:13 UT fiel der Sender aus und lies sich ueber Remote nicht mehr hochfahren. Heute Morgen ist unser Ingenieur Tim Zook auf den Pichincha gefahren (unser Hausvulkan, wo der Sender installiert ist) und hat herausgefunden, dass zu hoher Strom am Sender anlag. Heute Nachmittag (Quito-Zeit EST) ging der Sender wieder on-Air. Super, dass du die 6050 kHz in Salzburg empfangen kannst! Tim hat jetzt die Sendeleistung sicherheitshalber gedrosselt. Kommt das Signal noch bei dir an?

An dieser Stelle den Hinweis: wir haben kurzfristig entschlossen, neben der vierteiligen QSL-Kartenserie 2013 "60 Jahre deutschsprachige Sendungen aus Quito" noch eine Sonder-QSL fuer dieses Jahr herauszubringen. Unsere Kollegin Irene Schirmacher ist Hobbyfotografin und hat wunderschoeene Aufnahmen in freier Wildbahn um Papallacta aufgenommen. U.a. einen Brillenbaer. Diese Aufnahme und andere sind als Kollage auf der QSL zu sehen. Herzliche Gruesse, Horst (Rosiak-EQA hcjb Quito Andenstimme March 25)

6050 kHz HCJB Quito. {automatic translation} Hello Christoph, yesterday March 24, 1913 UT transmitter switched off automatically and let not go up by no more remote action. This morning, our engineer Tim Zook is driven to the Pichincha (our house volcano, where the transmitter is installed) and has found that too much current level pending at the transmitter. This afternoon (Quito-time EST) TX went

back to the station on-air. It's great that you can receive the 6050 kHz in Salzburg Austria! Tim now has reduced the transmission power for safety reasons. Is the signal still with you in Europe?

At this point, the note: we decided at short notice, in addition to the four-part series QSLs 2013 "60 Years of German-language broadcasts from Quito" to bring out another "Special QSL" for this year. Our colleague Irene Schirmacher is amateur photographer and has beautiful photographs taken in the wild to Papallacta. Inter alia a spectacled bear one. This shot and others are to be seen as a collage on the QSL (BCDX March 26 via WORLD OF RADIO 1662, DXLD)

** ECUADOR [non]. "The Voice of the Andes" [Golos And] announced that from 6 April 2013 will be broadcast on Saturdays 1530-1600 13800 kHz (Vladimir Pivovarov, Boyarka, Ukraine / "deneb-radio-dx" via RusDX March 24 via DXLD) via Nauen, GERMANY (HFCC A-13 via DXLD)

** EGYPT. 9720, March 25 at 0108, Spanish about Mali, 0109 outro news with R. Cairo ID, theme music, then 0110 'Noticias y Analisis', F-tima mentioned, maybe name of the announceress. Remarkably, the modulation is at decent if not 100% level! Unlike English normally JBM after 0200 on same transmission, 250 kW, 330 degrees from Abu Zaabal. What happened?

9720, March 26 at 0104, good strength, but just barely modulated, can't even be positive it's Spanish, but obviously R. El Cairo, back to abnormal after managing to modulate 24 hours earlier (Glenn Hauser, OK, DX LISTENING DIGEST)

** ERITREA. Had 5670 on my monitoring list recently, but no trace during sporadic in the afternoons/evenings (March 20-23). 4700 and 9705 are irregular. Observation on Sunday 24th at 1650 UT: 4700 tentative, hardly noticeable noise jamming, fair signal from ERI clearly audible, 5670 strong noise jamming, also on 7175 and 9705 kHz. Jamming gone at 1702 and, and all four seem to be in // with ERI programming, 7175 strongest and 5670 (later 9705) second strongest (on the ARI Verona online receiver which seems to be quite favourable for East Africa but unfortunately audio or connection gets lost more or less regularly). 73 (Thorsten Hallmann, Münster, Germany, <http://www.africalist.de.ms> March 24, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** EUROPE. Spacewalker Radio on now - 1345Z 15880.0 USB --- Just got a note from Space Walker Radio that they are on now on 15580.0. Checked and they are well heard in Coastal, VA. eQSL info below (Chuck Rippel, March 24, cumbredx via DXLD) not

** EUROPE. Hi Glenn, Another edition of Laser goes DX will be back

soon now on 4029 KHz. Best Regards, (Gary Drew, UK, March 25, DX LISTENING DIGEST)

** FINLAND. China Radio International drops Finland MW relay, not Lux

Liebe H^rerinnen und H^rer, hier noch ein Hinweis:

Mit der Umstellung auf Mitteleurop%ische Sommerzeit wird ab Sonntag, dem 31. M%rz, unser Programm von 18 Uhr bis 20 Uhr MESZ auf den Frequenzen 5970 kHz und 7380 kHz, von 20 Uhr bis 22 Uhr MESZ auf den Frequenzen 7395 kHz, 11650 kHz und 11775 kHz sowie von 7 Uhr bis 9 Uhr MESZ auf den Frequenzen 17720 und 17820 kHz gesendet.

Die Sendezeit ,ber Radio Luxemburg auf Mittelwelle 1440 kHz bleibt unver%ndert. Wegen Auslaufen des Vertrages wird ab 15. April unsere Sendung nicht mehr ,ber eine Sendeanlage im finnischen Pori auf Mittelwelle 963 kHz ausgestrahlt.

Deutsche Redaktion von CRI

?? <ger@cri.com.cn>

73 (via Christoph Ratzer, March 27, <http://remotedx.wordpress.com> A-DX yg via Wolfgang B,schel, DXLD) translation:

CRI German, news of MW Pori Finland relay: With the change to Central European Summer Time is on Sunday, 31 March, our program of 18 bis 20 clock clock EST on the frequencies 5970 kHz and 7380 kHz, from 20 bis 22 clock clock EST on the frequencies 7395 kHz, 11650 kHz and 11775 kHz and from 7 9 bis clock clock EST on the frequencies 17720 sent and 17820 kHz.

The airtime on Radio Luxembourg on 1440 kHz medium wave remains unchanged. Is due to expiry of the contract from 15 April our mission no longer broadcast over a radio transmitter in Pori, Finland on medium wave 963 kHz. 73 (via wolffy B,schel, DXLD)

** FRANCE. RFI / TDF Issoudun in French language 7205, 9790, 11995 kHz noted at 2000 UT. Football World Cup Brazil 2014 Qualification France vv Spain (Wolfgang B,schel, df5sx March 26, DX LISTENING DIGEST)

No more strange frequencies like 12001? (gh, DXLD)

[non]. Note: RFI seems to have started to QSL again. A couple of nice e-QSL's for their FM relays have been received from Chrystelle Nammour <chrystelle.nammour@rfi.fr (Vashek Korinek-AFS, DXplorer March 23 via BCDX March 26 via DXLD))

** GABON. 9580, Radio Reveil Paroles ñ Moyabi, 2309, 3/23/13, in French. Woman and man announcers, musical bridge, woman giving

frequency and contact information, off 2315 as scheduled (Mark Taylor, Madison WI, Microtelecom Perseus, WinRadio g313e, Eton e1, Grunding G5 & Satellit 800; EWE, Flextenna, 40 meters dipole, NASWA Flashsheet March 24 via DXLD)

It's only a gospel huxter program which is still buying 15 minutes a week on Africa Number One (and extending its Saturday schedule by that amount), yet some listings like to treat it as a distinct ``station`` (Glenn Hauser, DX LISTENING DIGEST)

** GERMANY. > That Drehstand antenna (ex RBI) does fascinate me. Obviously others as well, it made it even on a postal office stamp:
<http://www.jans-radioseiten.de/rbi/rbi1970.jpg>

Perhaps a glimpse of it could be caught by "westerners`` even without formally entering the GDR, from the Berlin - Hamburg train line. At least the huge 4/6 curtains, built with the two PKV-500 transmitters in the seventies, made an impressive sight from there.

Btw, Drehstandantenne is the generic German term for rotatable shortwave antennas. The "DuS" that denotes this antenna on the control screen means "dreh- und schwenkbar" , referring to its unique feature: It can not only be turned but also adjusted in elevation in accordance with the distance of the target area.

To recap the story of this antenna: DW used it for own programming and the airtime exchange with RNW (here the noon broadcast, to the UKW on 41 or 31 metres) until 2000. Afterwards the original transmitter had been scrapped but the antenna kept in operational condition and finally been revived outside the DW contracts in 2006 by moving in a transmitter from J,lich.

Back then the plan was to take away also a second transmitter from J,lich, but obviously this was not achieved before it was too late (i.e. the J,lich site handed over to Christian Vision). So they now used the chance at Zeewolde instead.

DRM transmissions from Nauen took place already in 2006, with the ex-J,lich transmitter, shown to visitors in the control room with that Morphy Richards branded set considered at this time as carrier of hope. At this point (late summer 2006) it was some missionary. I think Nauen was also involved in the carriage of the program stream some people called a revival of the RTL English service, an even bigger carrier of hope until RTL pulled the plug on this whole matter (Kai Ludwig, Germany, March 23, shortwavesites yg via DXLD)

** GERMANY. Final B-12 schedule of
3985/3995/6005/6070/6085/6190/7265/9480/13820 all to Central Europe:

0500-1800	3985 KLL 001 kW / non-dir	German	Radio 700
1800-1900	3985 KLL 001 kW / non-dir	German	Voice of Indonesia
1900-2300	3985 KLL 001 kW / non-dir	German	Radio 700
0000-0400	3995 WNM 1.5 kW / non-dir	English	Life FM Irland
0400-0430	3995 WNM 1.5 kW / non-dir	Russian	HCJB
0430-0600	3995 WNM 1.5 kW / non-dir	German	HCJB
0600-0630	3995 WNM 1.5 kW / non-dir	German	Missionswerk Werner Heukelbach
0630-0700	3995 WNM 1.5 kW / non-dir	German	Licht des Evangeliums
0700-0730	3995 WNM 1.5 kW / non-dir	German	Missionswerk Neues Leben
0730-0800	3995 WNM 1.5 kW / non-dir	German	HCJB
0800-0900	3995 WNM 1.5 kW / non-dir	German	Ichtys Radio
0900-1630	3995 WNM 1.5 kW / non-dir	German	HCJB
1630-1700	3995 WNM 1.5 kW / non-dir	German	Missionswerk Werner Heukelbach
1700-1800	3995 WNM 1.5 kW / non-dir	German	HCJB
1800-1830	3995 WNM 1.5 kW / non-dir	German	Licht des Evangeliums
1830-1900	3995 WNM 1.5 kW / non-dir	German	Missionswerk Neues Leben
1900-2130	3995 WNM 1.5 kW / non-dir	German	HCJB
2130-2230	3995 WNM 1.5 kW / non-dir	German	Ichtys Radio
2230-2330	3995 WNM 1.5 kW / non-dir	German	HCJB
2330-2400	3995 WNM 1.5 kW / non-dir	English	Life FM Ireland
0700-0900	6005 KLL 100 kW / non-dir	German	Radio Belarus
0900-1700	6005 KLL 100 kW / non-dir	German	Radio 700, except:
0900-1000	3rd Sun European Music Radio English		
1000-1100	1st/3rd Sun Radio Joystik German		
1000-1100	4th Sun Radio Gloria International English/German		
1100-1115	Daily Missionswerk Freundesdienst German		
1630-1645	Mon-Sat Missionswerk Freundesdienst German		
0000-2400	6070 ROB 0.7 kW / non-dir	German	Radio 6150 from Mar. 1
0700-1600	6085 KLL 001 kW / non-dir	German	Radio 700
0600-1500	6190 GOH 001 kW / non-dir	USB+carrier as follows:	
0600-1500	Fri/Sun/Mon Hamburger Lokalradio German March 29/31 and April 1		
0800-1100	6190 GOH 001 kW / non-dir	USB+carrier as follows:	
0800-1100	Wed/Sat Hamburger Lokalradio German, no show March 9/13/16		
0600-0800	7265 GOH 001 kW / 230 deg	USB+carrier as follows:	
0600-0630	Wed/Sat Hamburger Lokalradio German, no show March 9/13/16		
0630-0700	Wed/Sat World of Radio English, no show March 9/13		
0700-0800	Wed/Sat Hamburger Lokalradio German, no show March 9/13/16		

0600-1300 7265 GOH 001 kW / 230 deg USB+carrier as follows:
0800-0900 3rd Sun European Music Radio English
0600-0800 4th Sun Radio Gloria International English/German
1000-1200 4th Sun Radio Gloria International English/German
1100-1200 1st Sun Radio Gloria International English/German
1200-1300 1st Sun MV Baltic Radio English/German

1100-1500 7265 GOH 001 kW / 230 deg USB+carrier as follows:
1100-1430 Wed/Sat Hamburger Lokalradio German, not Sat March 9/13/16
1300-1400 4th Sat Radio City English
1430-1500 Wed/Sat World of Radio English, no show Sat March 9/13/16

0600-1100 9480 GOH 001 kW / 230 deg USB+carrier as follows:
0800-1000 1st/4th Sun Radio Gloria International English/German
1000-1100 1st Sun MV Baltic Radio English/German
0900-1000 3rd Sun European Music Radio English
1000-1200 3rd Sun Radio Geronimo English

0900-1400 13820 KLL 001 kW / non-dir German Radio 700 from Feb. 15
(DX RE MIX NEWS #773 from Georgi Bancov and Ivo Ivanov, March 21, 2013
via DXLD)

** GOA [and non]. 11775, March 27 at 1353, Dead Gene Scott is taking a break, no ANGUILLA, so we may hear the Sino-Bharatian radio war in all its splendour, i.e. CNR1 jamming against AIR Nepali, 1330-1430, 250 kW, 25 degrees via Panaji. Is this an ancillary victim following the 1215-1330 Tibetan service on same, or are the ChiCom now deliberately jamming AIR Nepali as well? Not the first time. Usually they are quite precise in their jamtiming, e.g. cutting off at 1315* along with AIR Chinese on 15795 (Glenn Hauser, OK, DX LISTENING DIGEST)

** GUAM. 13362-USB, Saturday March 23 at 1312, AFN is still on day frequency in the hour before local midnight, nothing on 5765-USB. It's not NPR WESAT, but PSA and into talk about reality TV.

Still 13362-USB at 1405, heated political discussion mentions Oklahoma, Fox News Channel; sure 'nuff, it's the same as whatever is running on that cable TV net, which is part of my basic package, not something I would voluntarily subscribe to!

13362-USB, March 24 at 0507, AFN in local daytime on day frequency audible in the nightmiddle here, sounds like M&W with a far-right talkshow, 0509 AFN promos.

5765-USB, March 24 at 1250, now AFN is back on night frequency with discussion about Groupon, unseems NPR WESUN (Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** GUAM. AWR in Chinese on odd 15370.033 kHz at 2240 UT, but which path to Europe at this time, - during equinoxial/springtime propagation (Wolfgang B, schel, Germany, wwdxc BC-DX TopNews March 22, dxldyg via DX LISTENING DIGEST)

** GUIANA FRENCH. Sami Niemeläinen via Facebook
<http://www.franceguyane.fr/regions/guyane/mauvaises-ondes-a-montsinery-153123.php>

The Google Translation says:

BAD WAVES MONTSINERY, Nicolas Camus France-Guyane 19/02/2013

The center has five transmitters Montsinéry of 500 kilowatts (KW). For comparison, the power of an FM transmitter is 1 KW [sic]. (HG)
[caption: shows six towers, curtains and building]

The international broadcast center in shortwave TDF-based Montsinéry, will close in early April.

These are the waves of another time. In a time when internet did not exist, and where the population of many countries could access another information channel that broadcast by a government reluctant to open. Specializes in the issuance of this type of wave international center of Guyana established Montsinéry will close its doors on April 1. Built in 1981 by TDF (formerly TÉLÉDiffusion de France) in 1984 and running this gigantic set of four issuers - and five in 1993 - allows international stations like the BBC or RFI touching the whole American continent in Africa West and Australia.

But it is no longer up to date. "There are several reasons: competition from Internet and satellite platforms, and also the fact that many developing countries were our main targets are more stable politically," explains René Iafrate.

The territorial delegate in charge of TDF Guyana admits: "Shortwave no longer attract and market collapses. Our turnover is now four times lower expenses. "Difficult in these conditions to continue operating the site, the first consumer of electricity department. It is also not the only one close. The Island of Bonaire (off Venezuela) and Sackville (Canada) suffered the same fate.

SIX EMPLOYEES redirected

I must say that consumption patterns have changed. If the radio is still an excellent way for expatriates to stay in touch with news of their country, it is now listening on a computer or via satellite TV. "It's simple. In addition, the shortwave forcing frequency to change

and are often of lower quality, it is less comfortable, "says René Iafrate.

Chosen for its location "interesting strategic level" to reach three different continents, the basis of Montsinéry be dismantled in six to nine months. The six employees of the site will be offered by TDF a training plan to work in the fields of TNT or FM. More promising sectors (via Partha Sarathi Goswami, India, dxldyg via WORLD OF RADIO 1662, DXLD)

9504, March 25 at 0117, weak spur with squealing Spanish from 9490, R. República via RMI via MSY relay, more so than the match around 9476. Soon, no more spurs, and no more fundamentals either from GUF!

Despite destroying the GUF facilities, TDF does not lose this business: from A-13, same frequency at 00-02 daily moves to Issoudun, FRANCE, 250 kW, 275 degrees toward Cuba; hefty, but less of a match for the jamming, and bound to be weaker here, no longer directly beyond the target (Glenn Hauser, OK, DX LISTENING DIGEST) See also KOREA SOUTH [non]

** ICELAND. 189 kHz, Gufuskalar, 0430 with music, fair signal 22 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** INDIA [and non]. 4660, AIR Leh. March 26. Continue to hear an open carrier here with never any audio coming through during 1300 to 1400 checking.

4775, AIR Imphal. March 26 still off the air; missing for over a week now.

4990, AIR Itanagar, March 26 briefly noted at 1424 with the iweather forecastî for Itanagar; poor, but the strongest AIR heard.

5050, AIR Aizawl. Doing fairly well against stronger Guangxi Beibu Bay Radio (BBR) on both March 25 and 26 from about 1300 to 1400. Still no sign of Ozy Radio (Ron Howard, Asilomar State Beach, CA, EtÛn E1, dxldyg via DX LISTENING DIGEST)

AIR - Vividh Bharati service on 9870 with sign on at 1243 (March 22) with EZL instrumental music; ID and SW frequency; program of beautiful subcontinent music and songs; strong signal with good reception. Four minute recording at <https://www.box.com/s/ji7ktfy0a9hk1mlo0aqv> (Ron Howard, California, USA, dxldyg via DX LISTENING DIGEST)

9870, March 25 at 1255, enjoying AIR VBS music, but not for long:

*1259 on comes Chinese, as CRI English is finishing the language-lesson filler. It's about time AIR became frequency-flexible in the face of all this CCCCCCI, but some stations just won't change, no matter what. Except when transmitters wander around on their own (Glenn Hauser, OK, DX LISTENING DIGEST)

** INDIA. AIR GETS OVER RS 9 BILLION FOR DIGITIZING 165 STATIONS DURING 11TH PLAN

NEW DELHI: Projects are underway at 165 stations of All India Radio (AIR) all over the country to digitize the signals. A budget of Rs 9.0812 billion had been allocated out of a total allocation of Rs 9.342 billion approved for this purpose in the Eleventh Plan. The outlay in the twelfth plan is under finalization, AIR sources said.

RnM story at :

<http://www.radioandmusic.com/content/editorial/news/air-gets-over-rs-9-billion-digitizing-165-stations-during-11th-plan>

--- (via Alokesh Gupta, New Delhi, March 27, dx_india yg via DXLD)

``Digitize`` is rather vague, presumably meaning converting to DRM transmission which is the ultimate objective of AIR snowed by this nonsense, obsoleting every radio in the gigaland (gh, DXLD)

** INDONESIA [and non]. 3325, March 25 at 1233 M&W conversation in Indonesian, RRI Palangkaraya, poor signal but better than usual. Only other Asian on 90 m is weaker 3205, presumably PNG; only other tropical Indonesian is 4750 mixed with offset carrier, presumably Bangladesh (Glenn Hauser, OK, DX LISTENING DIGEST)

4749.96, RRI Makassar, 1234, Tuesday, March 26. In Bahasa Indonesia with introduction to the weekly KGI (Kang Guru Indonesia) show; moderate to heavy China and Bangladesh QRM; presented in English by Kevin and Ana; played some pop songs; 1304 back to Bahasa Indonesia programming. Too much QRM to be enjoyable, but very pleasant to watch the full moon go down out over the Pacific! (Ron Howard, Asilomar State Beach, CA, EtUn E1, dxldyg via DX LISTENING DIGEST)

** INDONESIA. 4870-, March 22 at 1259, JBA signal with music vs TADIL-A bonker, while there is nothing on 4790-, and readable Indonesian on 4750-, i.e. RRI's Wamena, Fak2 and Makassar, respectively (Glenn Hauser, OK, DX LISTENING DIGEST)

** INDONESIA. 9526-, March 25 circa 1250, I can tell the VOI carrier is on due to 4+ kHz het with 9530 Chinese-American radio war, still past 1300 when English scheduled. Ron Howard confirms it's back today after missing since last heard March 12 per Atsunori Ishida. Still useless here, too weak vs ACI, regardless of modulation level.

{However, HFCC A-13 shows no more war on 9530!} (Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST) Viz.:

9525.9, Voice of Indonesia was last heard broadcasting on March 12 and then went silent till today (March 25), this per Atsunori. Today heard at 1307 in English with news, commentary, Today in History, Focus, etc; almost fair with adjacent QRM; 1407 in Indonesian with strong signal and very good reception with no QRM.

If this level of reception is heard tomorrow (Tuesday), then we should be able to catch the iExotic Indonesiaî programming in English from 1300 to 1400, with segments from RRI Banjarmasin.

9525.9, Voice of Indonesia. Very pleased to again hear the Tuesday weekly program iExotic Indonesiaî; March 26 with poor to almost fair reception, depending on the amount of adjacent QRM; randomly from 1307 to 1353; same segments as heard yesterday, but with the addition of YL in Jakarta studio chatting with YL at the RRI Banjarmasin studio via phone line; 1314: iExotic Indonesia Quizî (answer - Banjarmasin in South Kalimantan is known as city of 1000 rivers); iThis quiz is brought to you by 87.7 (FM?) RRI Banjarmasin in South Kalimantanî.

Recording of the quiz:

<https://www.box.com/s/cd8abd66urcii3fbm0ib>

(Ron Howard, Asilomar State Beach, CA, EtÛn E1, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

** INTERNATIONAL VACUUM. A13 Schedule for Media Network Plus effective March 31, 2013

1400 UT - Africa/ Asia/Pacific (Saturday)

0900 UT - Europe (Sunday)

1730 UT - North America (Sunday) Includes SiriusXM

(PCJ Media on Facebook via Mike Terry, dxldyg via DXLD)

i.e. the schedule on WRN! By no coincidence, WORLD OF RADIO appears at the same times on the other weekend day, Sunday or Saturday; even to Af/As/Pac where there is hardly any DST, time shifts one UT hour earlier for British summer:

0900 Saturday to Europe

1730 Saturday to North America and SiriusXM 120

1400 Sunday to Africa/Asia/Pacific

(Glenn Hauser, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** INTERNATIONAL WATERS [and non]. Happy Birthday, Radio Caroline! Traditionally Easter has always been celebrated as Radio Caroline's iofficialî birthday but the station's first programme was on 28th March 1964 - 49 years ago today.

Radio Caroline is a British radio station founded in 1964 by Ronan

O'Rahilly to circumvent the record companies' control of popular music broadcasting in the United Kingdom and the BBC's radio broadcasting monopoly. Unlicensed by any government for most of its early life, it was considered a pirate radio station.

Radio Caroline began test broadcasts during the evening of 27 March 1964 on 199 metres, and commenced regular programming at noon the following day, on 28 March. It broadcast from a former Danish ferry, the Fredericia renamed MV Caroline and anchored three miles (5 km) off the coast of Felixstowe, just outside British territorial waters. In April 1964, Radio Atlanta began broadcasting from the MV Mi Amigo, a former coaster anchored off Harwich. Both stations operated independently for several months but the companies' sales operations were later merged. The Caroline moved to an anchorage off Ramsey, Isle of Man and broadcast as Radio Caroline North while the MV Mi Amigo remained off Essex broadcasting as Radio Caroline South.

Caroline continues on the internet at
<http://www.radiocaroline.co.uk/>
see http://en.wikipedia.org/wiki/Radio_Caroline
(via Mike Terry, dxldyg via DXLD)

WBCQ OFFSHORE RADIO SPECIAL

"To commemorate the 49th anniversary of the first broadcast from Radio Caroline, WBCQ presents our Offshore Radio Special on Area 51, 5110 kHz worldwide shortwave. Starting Sunday, March 31 at 6 PM US eastern time (2200 UT) we will present a 12 hour marathon broadcast celebrating the legacy of offshore radio, including both the first and the latest shows from our own Radio New York International. A Special QSL will be issued for verified shortwave reception reports for WBCQ 5110 between 2200 UT Sunday and 1000 Monday. Listen live for details." Programme schedule on their webpage:
<http://www.wbcq.com/>
(via Mike Barraclough, dxldyg via DXLD)

** IRAN. IRIB Spurs 9540 & 9670 --- in Bosnian // 9605, 1841 UT -- (Tim Bucknall, Congleton, UK, RDR54D1 + CLP5130, March 25, harmonics yg via DXLD) WRTH, HFCC say it's Albanian, 295 degrees from Kamalabad; Bosnian is in previous hour until 1830 on other frequencies (gh, DXLD)

** IRAN. 9715, March 24 at 1304, Qur'an, poor signal with flutter but in the clear, i.e. VIRI opening Urdu sesquihour from Sirjan.

12025, March 26 at 0527, VIRI IS, fair with heavy flutter, preceding what? Nothing: it's the end of the 0500 Russian broadcast, 500 kW, 358 degrees from Kamalabad, gone at 0529, leaving nothing but CODAR.

17550, March 26 at 1325, Arabic chanting not Qur'an, but perhaps pious, with considerable audio distortion; 1330 three chimes, VIRI ID, news theme. Is 500 kW, 259 degrees from Kamalabad at 1030-1630 (Glenn Hauser, OK, DX LISTENING DIGEST)

** IRELAND. Irish pirate IMR. Good reception beginning at 1900 tonight while on in holiday Bruff, Ireland as I tested out my new Fun cube plus and 40 with a 50 foot random length wire. Heard R&B oldies Edwin Starr, Ramsey Lewis, and then the Four Seasons. Modulation was very good. I had them on 6938 kHz tonight. They went off just as I began to write this at 1935 GMT. 73's (Brock Whaley, March 23, dxldyg via DX LISTENING DIGEST)

Irish Music Radio, IMR, Pirate on now, 1530 24 March, on 6937.5 AM with rock and pop oldies. Steady good signal and very good modulation. Any idea of QTH or power? I am on holiday in Bruff, south of Limerick in central Ireland. Fun cube pro + SDR and 40 foot wire (Brock Whaley, March 24, ibid.) The transmitter location hidden, it's a pirate. :) The power is 60 W. :) (Georgi Bancov, Bulgaria, ibid.)

** ISRAEL. Mixing local product or jamming from Arab speaking source? Galei Zahal in March for long periods was only with carriers on 6885 and 15850. On 20 March at 1930 noted with mix sounds of speech in Hebrew and shouts, patriotic songs and talks in Arabic. Same was on next days with military songs when close/down on 6885 was at 1849 (Rumen Pankov, Sofia, Bulgaria, March 25, DX LISTENING DIGEST)

** ITALY. {probably} 15000v, If anyone is up at this hour (1100 UT), I'm hearing something on 15000 kHz which is puzzling me. Just before the top of the minute, I hear 5 short pips, then one long one, followed by a voice announcement that I can't copy. Right after that I hear "muzak", or some instrumental music. This music seems to stop just before the pips, and has continued with this pattern for the past 10 minutes or so.

Anyone else hear this, or know what this is? (It's been a very long time that I DXed a time signal station). (George Maroti-NY-USA, DXplorer March 24 via BCDX March 26 via DXLD)

I'm hearing it too, George. Very weak (John Herkimer-NY-USA, ibid.)

?? This was reported weeks ago in DXLD as Italcable pirate adding to its 10 MHz outsendings (gh, DXLD)

Re: Time Signal Station 15000v kHz? Probably Italian hobby PIRATE station from Viareggio which was also in the air as a pseudo standard frequency station, but failed by 4 ... 6 Hertz less, to jam WWV WWVH or Brazil time signals on 10 MHz sharp, since mid 2012.

ITALY 9999.994 kHz, Italcable 10000 kHz.
Address: Via del Borgo 6, 55049 Viareggio (LU), Italy.
Location is 43 54 48 N 10 17 44 E

Imitation program of the FORMER national institute time signal station
IBF - Istituto Elettrotecnico Nazionale Turin/Torino, Italy; which
was heard weekdays xx.45 to xx.00 minutes.

Pirate transmissions hinder the regular exact measurements via
WWV/WWVH or RWM Moscow xxx96 kHz reception (Wolfgang B.schel, wwdxc
BC-DX TopNews March 25 via DXLD)

** ITALY [non]. Re: New images of Tiganesti, Romania --- This article,
pointed out in DXLD, shows the equipment at Tiganeshti:
<http://www.rwonline.com/article/a-man-a-broadcaster-and-a-global-mission/218188>

Three transmitters are seen; wasn't this the number reported for
Tiganeshti, besides two such rigs for Galbeni?

There is no doubt about this being Tiganeshti; in Europe and vicinity
such transmitters of the latest Continental design are in use in
Romania only. Here they had been installed within the huge radio
transmitter replacement project done a few years ago, completely
contracted to Harris if I understand it right.

Transmitter halls in Russia were supposed to look in future this way,
too; it was reported that Continental hoped to supply transmitter
components to Russia where they would have been assembled (this
approach would have saved duty expenses). But as well known, this all
remained a dream (Kai Ludwig, March 23, shortwavesites yg via DXLD)

I remember. Re IRRS Milano site. A farm house complex area were used
in the 90ties, foto images were visible on a Italian DX magazine or
AWR DX newsletter?, a decade ago or so, probably taken by Mr. Dario
Monferini? Ian, maybe Alfredo Cotroneo of IRRS can tell you the exact
former location of the farm house ...

- - -

Re Tiganesti / Saftica sites. The three 300 kW Continentals seen on
RadioCom Tiganesti-ROU site hall, November 2007, 21 curtain antenna
masts. Puzzle, please zoom in, what's the installation ant like type
on the left side foreground? Looks like a 16 element satellite
antenna??

<http://www.panoramio.com/photo/41996822>

antenna image:

But the TCI revolving horizontal log-periodic antenna belongs to older
Romanian RadioCom Saftica site, which consist 2 x 100 kW Continental

units, and probably to be used for 7 and 9 MHz Europeanwide coverage of IRRS Milano, 7290/9510 kHz.

RadioCom Saftica sister-site located some 12 km south of Tiganeshti site. Was also used with 20 to 50 kW of power for Communist clandestine radio stations in the 50ties and 60ties, like "Portugal Livre" or "Radio España Independiente" against Franco dictatorship.

Former Romanian national(til 1991) and German DXer Erich Bergmann tried to find out some details about radio activities from Saftica between 1956 and 1990 from this opposite shortwave radio site, at RadioCom and Government Ministry Bucharest as well as at Radio Romania staff. But nobody had details, and no printed matters explored yet. I guess probably it was a veiled operation of the communist SECURITATE secret police. Perhaps, older or retired technician at Saftica or Tiganeshti remember about the Clandestine radio activities some 50 years ago.

This site reshuffled between 2002 and 2007 year, an older revolving antenna was visible in 2002 image, but two newer ones - probably Made by TCI California - erected in 2006-2007y.

<http://www.miscellanea.ro/2012/04/misterul-din-saftica.html>

The property estate plot land has been halved, requirements for private site after 2002, by the previous property owners, who were expropriated in 1956 (Wolfgang B,schel, DX LISTENING DIGEST)

Re: ``Hi Kai, The antenna pic appears to be from 'Saftica'. Wolfy has probably recorded the txer info. I can't recall exactly from memory. Info probably exists within the DXLD or BC-DX archives. I know of one Continental Engineer who attended the sites in Romania around the time of new installations.

The IRRS website: <http://www.nexus.org/NEXUS-IBA/Shortwave/> still shows OLD 10kW SW TXer info from Milano - Cassano d'Adda site. Exact site still unknown. Ian``

``Puzzle, please zoom in, whats the installation ant like type on the left side foreground ? Looks like a 16 elem satellite antenna??
<http://www.panoramio.com/photo/41996822> ``

Probably a slew switch?

``But the TCI revolving horizontal log-periodic antenna belongs to older Romanian RadioCom Saftica site, which consist 2 x 100 kW Continental units``

I seem to recall that only a single new transmitter has been installed there? It should be noted that Saftica transmissions appear in HFCC

under "TIG" as well. They can be distinguished by the power level: 100 kW -> Saftica, 300 or 150 kW -> Tiganesti.

``Former Romanian national(til 1991) and German DXer Erich Bergmann tried to find out some details about radio activities from Saftica between 1956 and 1990 from this opposite shortwave radio site, at RadioCom and Govt Ministry Bucharest as well as at Radio Romania staff. But nobody had details, and no printed matters explored yet. I guess probably it was a veiled operation of the communist SECURITATE secret police.``

As far as I know the similar arrangements at Kⁿigs Wusterhausen, Wiederau and Burg [GERMANY] (for some time in the seventies there was a mediumwave service of Bizim Radyo, using the 904 kHz outlet if I recall correct) had been made through SED, i.e. the communist party rather than the regular administration. Perhaps the constellation in Romania was similar? (Kai Ludwig, ibid.)

** ITALY [non]. Studio DX??? - {google translated...}
Media Broadcast explained to us what happened on Sunday, for the umpteenth time, a malfunction to the modulation system that unfortunately it is a system without staff (on Sunday) was reported directly; that's why you could get the carrier in full, but unfortunately without modulation signal. In systems of this kind where high power and continuous change of power antennas and frequencies quickly jumps, something happens that, beyond the transmission-language Italian of AWR, Sunday, I popped two more. Look forward to a more attention next Sunday [March 31] and greater reliability on TDF French system at Issoudun which we will use from the day of Easter always at 11 am LT = 0900 UT Italian but on 9790 kHz in 31mb (Roberto Scaglione in bclnews.it, March 19 via BCDX March 26 via DXLD)

** JAPAN [and non]. 11740, March 22 at 0526 check, NHK English is on but abnormally weak for the GUIANA FRENCH relay; propagation, or winding down at reduced power before oblivion?

Meanwhile, on the contact form at NHK World Radio
<https://www.nhk.or.jp/nhkworld/english/contact/index.html>
I have posted this:

``Please continue in English on shortwave to North America!!

It appears that you are terminating your last shortwave transmissions in English to North America with the closure of French Guiana relay.

Please do not do this! There are other alternatives to broadcast to North America. WHRI which you already use can be heard well inside the continent, for example.

I have been listening to Radio Japan for some 55 years, and continue to do so despite the inconvenient times you have chosen, midnight and 7 am my local time (Central). This will only be possible for one more week, is that correct?`` No answer, yet? (Glenn Hauser, OK, via DXLD)
No answer, ever

I did exactly what you've suggested: I sent NHK World an email (well, from their website contact form) protesting the apparent loss of the 0500 tx to NA via Guiana on 11740. I requested a reply; will be interesting to see if they get back to me (Randy Stewart, Battlefield MO, DX LISTENING DIGEST)

Re: NHK A-13 English, minus North America

In A-12 the 25 meter frequency from Issoudun at 0500 was actually quite good here in Texas, so maybe the same will be true for A-13 [11970; I agree ñ gh, OK]

Radical thought: I wonder if NHK ever considered returning to direct transmissions from Japan to NA, which worked quite well for many decades. The old general service had a NA beam every hour around the clock (Steve Luce, Houston, Texas, dxldyg via DX LISTENING DIGEST)

I don't see why they can't use Greenville, like they do for Spanish on 6195 at 0500 (Dave Hughes, KCMO, ibid.)

Such would be viable alternatives, i.a., but they have obviously written us off (gh, DXLD)

Tuning around tonight, I heard R. Japan announce that it is ending SW to NA as of March 31. This obviously has something to do with the impending shutdown of MontsinÈry. 9770 to Africa [via FRANCE proper] at 0500 was putting a decent signal into my winter QTH in Sarasota, FL and, hopefully, that will at least continue to be the case (John Figliozzi, Sarasota, FL, Sent from my iPad, March 23, dxldyg via DX LISTENING DIGEST)

Unfortunately that won't be the case after March 31. the 0500 broadcast will be on 11970 via Issoudun (DH KCMO, ibid.) See above

I'm pretty concerned since as I've said before NHK World is my favorite English-language shortwave broadcaster alongside Radio Romania International. What's going to happen to the people who work on the English service? I haven't really heard whether they are keeping these transmissions outside of North America. Now, I believe that same relay transmitted programs that I occasionally receive in Japanese. Are those going to be shutting down as well? I didn't hear

anything on the most recent transmissions from NHK and I haven't seen anything on their website either (narvorr, ptsw yg via DXLD)

Hiya again, Sorta sorry for my previous 'rant' of sorts but it is what is happening. I myself got extremely 'perturbed' when NHK cut its English language broadcasts to less then a half hour a while back! As well as cut out many of the weekly shows I had grown used to.

I asked my 'tomodachi' (Japanese for friend), since he was going to there anyway, to stop in and inquire for me what their plans for N America English were.

Well, they did not say much other than: Listeners habits there have changed (same as BBC earlier), and also that the government was cutting funding so they have to economize. As for the personnel who work NHK eigo, you must realise that NHK is not a lil local radio station, it is HUGE, so reassignment for most if not all.

That was pretty much what he managed to PRY out of them.

As for me, I am still quite angry/perturbed/upset/blah blah. I still know that SW receivers are good enough to actually carry around with you (as compared to my trusty restored Transoceanic from 1946; hey, I ain't a HE MAN, ya know! You should be able to go on a lil trip, take a small but decent radio and hear the major broadcasters from 'round the world without having to have a CONNECTION!

Heck, in North America, you cannot get internet access everywhere, even with Cellphone.

Funny thing though, USA still maintains its SW broadcasts! Of course not beamed to the home country (I assume so as not let the folks back home know that we are sending propaganda, just like everyone else? Hmm)

That begs a small question, why is Armed Forces Radio, not for public consumption here in the states (I realise now is sent via MILITARY INTERNET, but before when it was broadcast??

Oh well anyway, that was scoop from my tomodachi in Japan when I asked him to find what he could for me. Hope that helps to at least clarify NHK (Hanley, KD2CBV, Yes, still the world's worst typist, sigh, ptswyg via DXLD) Until all fixed up laboriously by gh (gh)

This week's edition of Radio Japan's "Friends Around the World" (March 24) has a feature on the end of shortwave broadcasting to North America, along with an explanation of NHK's history of reaching this area, going back to the time before World War II. It also mentions

some language services that NHK added in the 70's and 80's. Near the end of the program the full A13 schedule for English is announced, including the termination of North American broadcasts. This program is available for download at NHK's website. As announced near the end of Friends Around the World on March 24, here's the Radio Japan changes for the A13 season:

TERMINATED: Broadcasts at 0500 and 1200 to North America, along with the 1000 UT broadcast to SE Asia (the Oceania frequency of 9625 continues), and the 1300 broadcast to SW Asia.

CHANGES: 11970 for Southern Africa ex-9770 (Issoudun), 1400 on 11705 ex-11925 (Palau) for SE Asia, 15735 ex-11695 (Tashkent) for SW Asia, and 1800 on 11885-South Africa ex-15720-Madagascar for Southern Africa. (Not mentioned was the European channel on 5975 at 0500, listed in HFCC -- is it returning or will NHK stay with Dhabbaya-17660?) (Joe Hanlon, NJ, DX LISTENING DIGEST)

11740, UT Sunday March 24 at 0518 via GUIANA FRENCH, NHK World Radio Japan in 'Friends Around the World', finally acknowledging on the air that English to North America will be ending next weekend, so ``please listen on the internet`` from now on as requested more than once. History of R. Japan starting in 1935y in Japanese & English only until 1937; by 1943-1945y* had 24 languages, resumed in *1952y.

Last broadcast to NAM will be March 30, so this is the last FATW toward NAM, but next week's show will be the last for Kay Fujimoto in fiscal-year personnel turnover; apparently Mick Corliss will be staying, with a new co-hostess from April. 0524 finishing with a song, 0526 announcing new A-13 English schedule including several transmissions to be dropped:

0500 SAf, 11970 ex-9770 [what about 5975 WOF to Europe? See below]
1000 SEAsia, 11740 dropped
1200 NAM, 15190 dropped
1300 SWAs, 15735 dropped
1400 SEAs, 11705 ex-11925
1400 SWAs, 15735 ex-11695
1800 CAf, 11885 ex-15735

One would assume the above is the complete schedule, but may not be, just the transmissions which are changing; as I previously extracted from HFCC A-13, includes a few others:

0500, 5975-Woofferton UK, 11970-Issoudun, France
1000, 9625-Yamata, 9695-Singapore
1100, 9760-Woofferton UK but DRM
1200, 9695-Singapore, [OR, same parameters:] 11740
1300, 15735-Tashkent, Uzbekistan
1400, 11705-Palau, 15735-Tashkent

1800, 9590-Meyerton, South Africa [OR, same parameters:] 11885

Here's the March 24 show to Listen-on-the-internet:

<http://www3.nhk.or.jp/nhkworld/english/radio/asx/201303241430.asx>

and have one last look at Kay, with Mick:

<http://www3.nhk.or.jp/nhkworld/english/radio/program/index.html>

(Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST) See also PALAU

Radio Japan's programming highlights for the coming week show the following for March 30th:

"MEDIA WATCH: A Complete Introduction to Radio Japan's Comprehensive Multi-media Service Starting in April --- "Radio Japan broadcasts all sorts of programs and information not only through short-wave, FM, and AM, but through satellite radio and the internet as well. And starting next-month, those services are going to get even better! We give you a complete introduction to the great line-up we've readied."

Suggests some changes in how programming is organized and presented (Richard Cuff / Allentown, PA USA, ODXA yg via DXLD)

I'm listening to a very good to excellent quality signal in English from Radio Japan, apparently direct from Japan, on 26 March 2013 from tune-in at 1010 UT on 9625 kHz. At 1014 they made an apology announcement that as of March 31, the broadcast in English to Asia at 1000 UT would no longer be available on 11740 (this frequency is listed as a relay from Singapore. I wasn't able to hear it). The program ended at 1030 (Bruce Fisher (Massachusetts, USA using a Palstar R30CC & random longwire antenna, dxldyg via DX LISTENING DIGEST)

JAPAN [and non]

[ASCENSION/France/GERMANY/LITHUANIA/MADAGASCAR/PALAU/SINGAPORE/
SOUTH AFRICA/U.K./USA/UZBEKISTAN]

A-13 season requests [not necessarily every single one to be used]

5910 0200 0400 10,11 ISS 500 290 Jpn F NHK
5910 0400 0430 10,11 ISS 500 290 Spa F NHK
5920 0900 0930 14,15,16 HRI 250 152 Por USA NHK
5920 0930 1000 14,15,16 HRI 250 152 Spa USA NHK
5950 0915 0945 43,44 YAM 300 290 Kor J NHK
5975 0500 0530 27-28,37 WOF 250 140 English G BAB
6035 1700 1900 43,44 YAM 300 290 Jpn J NHK
6090 0900 0930 43,44 YAM 300 290 Chn J NHK
6090 1100 1130 23,24,33 YAM 300 330 Rus J NHK
6090 1130 1200 43,44 YAM 300 290 Kor J NHK

6090 1200 1230 43,44 YAM 300 290 Chn J NHK
6110 1530 1600 43,44 YAM 300 290 Chn J NHK
6140 0945 1030 54 SNG 250 140 Ind SNG NHK
6165 0430 0500 27,28 SIT 100 79 Rus LTU NHK
6165 0700 0800 23,24,33 YAM 300 330 Jpn J NHK
6165 0800 0830 23,24,33 YAM 300 330 Rus J NHK
6190 1230 1300 43,44 YAM 300 290 Kor J NHK
6190 1300 1330 43,44 YAM 300 290 Chn J NHK
6190 1330 1430 43,44 YAM 300 290 Kor J NHK
6190 1430 1500 43,44 YAM 300 290 Chn J NHK
6195 0900 0930 14,15,16 HRI 250 152 Por USA FCC
6195 0930 1000 14,15,16 HRI 250 152 Spa USA FCC
7225 1700 1900 49,50,54 YAM 300 240 Jpn J NHK
7395 0315 0400 52,53 MDC 250 320 Swa MDG NHK
9420 0100 0130 41 TAC 100 163 Hin UZB NHK
9540 1530 1600 43,44 YAM 300 290 Chn J NHK
9560 1900 2130 49,50,54 YAM 300 235 Jpn J NHK
9560 2130 2200 49,50,54 YAM 300 235 Ind J NHK
9560 2200 2230 43,44 YAM 300 290 Kor J NHK
9560 2230 2250 43,44 YAM 300 290 Chn J NHK
9585 1230 1300 49,50,54 SNG 250 1 Thai SNG BAB
9590 1800 1830 47,52 MEY 250 328 Eng AFS NHK
9625 1000 1030 51,55-60 YAM 300 175 Eng J NHK
9625 1115 1200 49,50,54 HBN 100 270 Ind USA FCC
9625 2000 2100 51,55-60 YAM 300 175 Jpn J NHK
9695 1000 1030 49,50,54 SNG 250 1 Eng SNG NHK
9695 1100 1130 49E SNG 250 1 Vietnamese SNG BAB
9695 1200 1230 49,50,54 SNG 250 1 English SNG BAB
9700 0915 0945 43,44 YAM 300 290 Kor J NHK
9720 1600 1630 43,44 YAM 300 290 Chn J NHK
9750 0700 1700 43,44 YAM 300 290 Jpn J NHK
9760 1100 1130 28W Fri only WOF 100 105 English DRM G BAB
9760 1130 1200 28W Fri only WOF 100 105 Russian DRM G BAB
9800 0200 0400 10,11 ISS 500 290 Jpn F NHK
9800 0400 0430 10,11 ISS 500 290 Spa F NHK
9835 1700 1900 14,16 YAM 300 85 Jpn J NHK
11590 0100 0130 41 TAC 100 163 Hin UZB NHK
11680 0200 0400 38-40 NAU 250 140 Jpn D NHK
11685 1300 1345 41NE SNG 250 315 Bengali SNG BAB
11705 1315 1400 49,50,54 HBN 100 270 Ind USA FCC
11705 1400 1430 49,50,54 HBN 100 270 Eng USA FCC
11710 0530 0600 23,24,33 YAM 300 330 Rus J NHK
11710 0700 0800 23,24,33 YAM 300 330 Jpn J NHK
11710 0800 0830 23,24,33 YAM 300 330 Rus J NHK
11725 2000 2330 41 YAM 300 270 Jpn J NHK
11730 0400 0430 40 TAC 100 236 Farsi UZB NHK
11730 0530 0600 46,47 ISS 500 190 Fra F NHK
11740 0800 1000 49,50,54 SNG 250 1 Jpn SNG NHK

11740 1030 1100 49NW,50,54 SNG 250 330 Burmese SNG BAB
11740 1100 1130 49E,50,54 SNG 250 1 Vietnamese SNG BAB
11740 1130 1200 49,50,54 SNG 250 1 Thai SNG BAB
11740 1200 1230 49 SNG 250 1 English SNG BAB
11740 1230 1300 49,50,54 SNG 250 1 Thai SNG BAB
11740 1300 1330 49E,50,54 SNG 100 1 Vietnamese SNG BAB
11740 1430 1500 49NW,50,54 SNG 250 330 Burmese SNG BAB
11750 0400 0430 14,15,16 ASC 250 245 Spa G NHK
11750 0800 1000 14,15,16 ASC 250 245 Jpn G NHK
11760 0530 0600 23,24,33 YAM 300 330 Rus J NHK
11815 0900 1700 49,50,54 YAM 300 235 Jpn J NHK
11850 2030 2100 46,47,52 MDC 250 305 Fra MDG NHK
11855 2200 0100 38,39,40 YAM 300 305 Jpn J NHK
11870 2130 2200 14,15,16 HRI 250 152 Por USA NHK
11885 1800 1830 46E,47W,52 MEY 250 328 English AFS BAB
11910 1900 0100 43,44 YAM 300 290 Jpn J NHK
11945 0530 0600 23,24,33 YAM 300 330 Rus J NHK
11945 0700 0800 23,24,33 YAM 300 330 Jpn J NHK
11945 0800 0830 23,24,33 YAM 300 330 Rus J NHK
11945 1700 1900 52,57 ISS 500 155 Jpn F NHK
11965 1900 2200 38,39,40 YAM 300 305 Jpn J NHK
11970 0500 0530 52,57 ISS 500 155 Eng F NHK
11975 0600 0630 37,38,39 ISS 500 160 Ara F NHK
12015 0400 0430 12S,14 ASC 250 245 Spanish G BAB
12015 0800 1000 13S,15N ASC 250 245 Japanese G BAB
12045 1500 1700 41 SNG 250 315 Japanese SNG BAB
13650 2255 2400 49,50,54 YAM 300 240 Jpn J NHK
13680 0000 0100 49,50,54 YAM 300 235 Jpn J NHK
13680 1430 1500 40 ISS 500 90 Farsi F NHK
13680 2100 2400 49,50,54 YAM 300 235 Jpn J NHK
13710 1600 2000 41 YAM 300 270 Jpn J NHK
13730 1729 1800 52,53 MDC 250 300 Swa MDG NHK
13840 0530 0600 47,52 MDC 250 295 Fra MDG NHK
13850 1700 1900 38,39,40 YAM 300 305 Jpn J NHK
13870 1515 1600 41NW DHA 250 60 Urdu UAE BAB
15130 1900 2100 46-48,52-53 ISS 500 152 Jpn F NHK
15195 0100 0700 43,44 YAM 300 290 Jpn J NHK
15200 2300 2400 49,50,54 YAM 300 240 Ind J NHK
15290 0800 1000 46,47 ISS 500 190 Jpn F NHK
15325 0200 1000 41 YAM 300 270 Jpn J NHK
15415 2330 0200 41 YAM 300 270 Jpn J NHK
15445 1700 1900 38-40 NAU 250 140 Jpn D NHK
15460 1200 1400 41 YAM 300 270 Jpn J NHK
15590 1000 1200 41 YAM 300 270 Jpn J NHK
15735 1300 1330 41 TAC 100 141 Eng UZB NHK
15735 1400 1430 41 TAC 100 163 Eng UZB NHK
15745 1430 1515 41 MDC 250 35 Hindi MDG NHK
17540 2130 2200 14,15,16 HRI 250 152 Por USA FCC

17560 0100 0500 38,39,40 YAM 300 305 Jpn J NHK
 17585 0500 0900 49,50,54 YAM 300 235 Jpn J NHK
 17660 1200 1500 38,39,40 YAM 300 305 Jpn J NHK
 17670 1400 1600 41 YAM 300 270 Jpn J NHK
 17700 0500 0800 38,39,40 YAM 300 305 Jpn J NHK
 17765 1500 1700 38,39,40 YAM 300 305 Jpn J NHK
 17810 0100 0500 49,50,54 YAM 300 235 Jpn J NHK
 17895 0800 1200 38,39,40 YAM 300 305 Jpn J NHK
 (NHK, 24 March 2013, via Wolfgang B,schel, dxldyg via DXLD)

NHK marzo 31 - octubre 27, 2013 --- He recibido el nuevo esquema de emisiones de la NHK para el periodo que se inicia el próximo 31 de marzo, ante el cierre del sitio transmisor del Montsinery en la Guayana Francesa; las emisiones para Centro y Sur América, ser·n emitidas desde USA (WHRI), Ascension (Babcock) y Francia (TDF) de acuerdo a este esquema:

Centro América

JaponÈs 0200-0400 5910 Francia
 Espa0ol 0400-0430 5910 Francia

Sur América

JaponÈs 0800-1000 12015 Ascension
 1700-1800 9835 Yamata
 PortuguÈs 0900-0930 6195 USA
 2130-2200 17540 USA

M·s dos emisiones, una en onda media para S,,o Paulo en 1370 de 2130-2000 y otra en FM para BrasÍlia en 94.1 MHz

Espa0ol 0400-0430 12015 Ascension
 0930-1000 6195 USA

Algo bueno saber es que la NHK todavía apuesta a la onda corta para nuestras regiones, todo a pesar de los cierres en los centros de emisiones localizados por ac·, se reconoce el esfuerzo de mantener su presencia a pesar de las circunstancias. Y viene mi pregunta antes los colegas que se lamentan de la desaparici0n de las emisiones en onda corta ¿cu·nto hace que no envía un reporte, o le escribe a la NHK?

P.D. Ac· reportaremos que tan afectadas se oir·n las emisiones de Alcarav·n Radio en el horario del 0200 a 0430. Buenos DX (Rafael Rodríguez R., Bogot· D.C. - COLOMBIA, condiglist yg via DXLD)

** KOREA NORTH. 2850, Korean Central Broadcasting, some audio at 1100 to 1120, band check 22 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

Final winter B-12 for Voice of Korea, by time:

0300-0350 on 3250 PYO 100 kW / non-dir to NEAs Korean PBS, cancelled
 0300-0350 on 7220 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 0300-0350 on 9345 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 0300-0350 on 9730 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 0300-0357 on 11735 KUJ 200 kW / 028 deg to CSAm Spanish
 0300-0357 on 13650 KUJ 200 kW / 238 deg to SEAs Chinese
 0300-0357 on 13760 KUJ 200 kW / 028 deg to CSAm Spanish
 0300-0357 on 15100 KUJ 200 kW / 238 deg to SEAs Chinese
 0300-0357 on 15180 KUJ 200 kW / 028 deg to CSAm Spanish
 0400-0457 on 3250 PYO 100 kW / non-dir to NEAs English
 0400-0457 on 7220 KUJ 200 kW / non-dir to NEAs English
 0400-0457 on 9345 KUJ 200 kW / non-dir to NEAs English
 0400-0457 on 9730 KUJ 200 kW / non-dir to NEAs English
 0400-0457 on 11735 KUJ 200 kW / 028 deg to CSAm English
 0400-0457 on 13650 KUJ 200 kW / 238 deg to SEAs French
 0400-0457 on 13760 KUJ 200 kW / 028 deg to CSAm English
 0400-0457 on 15100 KUJ 200 kW / 238 deg to SEAs French
 0400-0457 on 15180 KUJ 200 kW / 028 deg to CSAm English
 0500-0557 on 3250 PYO 100 kW / non-dir to NEAs Chinese
 0500-0557 on 7220 KUJ 200 kW / non-dir to NEAs Chinese
 0500-0557 on 9345 KUJ 200 kW / non-dir to NEAs Chinese
 0500-0557 on 9730 KUJ 200 kW / non-dir to NEAs Chinese
 0500-0557 on 11735 KUJ 200 kW / 028 deg to CSAm Spanish
 0500-0557 on 13650 KUJ 200 kW / 238 deg to SEAs English
 0500-0557 on 13760 KUJ 200 kW / 028 deg to CSAm Spanish
 0500-0557 on 15100 KUJ 200 kW / 238 deg to SEAs English
 0500-0557 on 15180 KUJ 200 kW / 028 deg to CSAm Spanish
 0600-0657 on 3250 PYO 100 kW / non-dir to NEAs English
 0600-0657 on 7220 KUJ 200 kW / non-dir to NEAs English
 0600-0657 on 9345 KUJ 200 kW / non-dir to NEAs English
 0600-0657 on 9730 KUJ 200 kW / non-dir to NEAs English
 0600-0657 on 11735 KUJ 200 kW / 028 deg to CSAm French
 0600-0657 on 13650 KUJ 200 kW / 238 deg to SEAs Chinese
 0600-0657 on 13760 KUJ 200 kW / 028 deg to CSAm French
 0600-0657 on 15100 KUJ 200 kW / 238 deg to SEAs Chinese
 0600-0657 on 15180 KUJ 200 kW / 028 deg to CSAm French
 0700-0757 on 3250 PYO 100 kW / non-dir to NEAs Japanese
 0700-0757 on 7220 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 0700-0757 on 7580 KUJ 200 kW / 109 deg to JPN Japanese
 0700-0757 on 9345 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 0700-0757 on 9650 KUJ 200 kW / 109 deg to JPN Japanese
 0700-0757 on 9975 KUJ 200 kW / 028 deg to FERu Russian
 0700-0757 on 11735 KUJ 200 kW / 028 deg to FERu Russian
 0700-0757 on 13760 KUJ 200 kW / 325 deg to EaEu Russian
 0700-0757 on 15245 KUJ 200 kW / 325 deg to EaEu Russian
 0800-0850 on 3250 PYO 100 kW / non-dir to NEAs Japanese
 0800-0857 on 7220 KUJ 200 kW / non-dir to NEAs Chinese
 0800-0850 on 7580 KUJ 200 kW / 109 deg to JPN Japanese

0800-0857 on 9345 KUJ 200 kW / non-dir to NEAs Chinese
 0800-0850 on 9650 KUJ 200 kW / 109 deg to JPN Japanese
 0800-0857 on 9975 KUJ 200 kW / 028 deg to FERu Russian
 0800-0857 on 11735 KUJ 200 kW / 028 deg to FERu Russian
 0800-0857 on 13760 KUJ 200 kW / 325 deg to EaEu Russian
 0800-0857 on 15245 KUJ 200 kW / 325 deg to EaEu Russian
 0900-0957 on 3250 PYO 100 kW / non-dir to NEAs Japanese
 0900-0957 on 6070 KNG 250 kW / 109 deg to JPN Japanese
 0900-0950 on 7220 KUJ 200 kW / non-dir to NEAs Korean KCBS
 0900-0957 on 7580 KUJ 200 kW / 109 deg to JPN Japanese
 0900-0950 on 9345 KUJ 200 kW / non-dir to NEAs Korean KCBS
 0900-0957 on 9650 KUJ 200 kW / 109 deg to JPN Japanese
 0900-0950 on 9975 KUJ 200 kW / 028 deg to ERus Korean PBS, cancelled
 0900-0950 on 11735 KUJ 200 kW / 028 deg to ERus Korean PBS, cancelled
 0900-0950 on 13760 KUJ 200 kW / 325 deg to EaEu Korean PBS, cancelled
 0900-0950 on 15245 KUJ 200 kW / 325 deg to EaEu Korean PBS, cancelled
 1000-1050 on 3250 PYO 100 kW / non-dir to NEAs Japanese
 1000-1050 on 6070 KNG 250 kW / 109 deg to JPN Japanese
 1000-1057 on 6170 KUJ 200 kW / 028 deg to CSAm English
 1000-1057 on 6185 KUJ 200 kW / 238 deg to SEAs English
 1000-1050 on 7220 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 1000-1050 on 7580 KUJ 200 kW / 109 deg to JPN Japanese
 1000-1057 on 9335 KUJ 200 kW / 028 deg to CSAm English
 1000-1050 on 9345 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 1000-1050 on 9650 KUJ 200 kW / 109 deg to JPN Japanese
 1000-1057 on 9850 KUJ 200 kW / 238 deg to SEAs English
 1100-1157 on 3250 PYO 100 kW / non-dir to NEAs Japanese
 1100-1157 on 6070 KNG 250 kW / 109 deg to JPN Japanese
 1100-1157 on 6170 KUJ 200 kW / 028 deg to CSAm French
 1100-1157 on 6185 KUJ 200 kW / 238 deg to SEAs French
 1100-1157 on 7220 KUJ 200 kW / non-dir to NEAs Chinese
 1100-1157 on 7580 KUJ 200 kW / 109 deg to JPN Japanese
 1100-1157 on 9335 KUJ 200 kW / 028 deg to CSAm French
 1100-1157 on 9345 KUJ 200 kW / non-dir to NEAs Chinese
 1100-1157 on 9650 KUJ 200 kW / 109 deg to JPN Japanese
 1100-1157 on 9850 KUJ 200 kW / 238 deg to SEAs French
 1200-1250 on 3250 PYO 100 kW / non-dir to NEAs Japanese
 1200-1250 on 6070 KNG 250 kW / 109 deg to JPN Japanese
 1200-1250 on 6170 KUJ 200 kW / 028 deg to CSAm Korean KCBS
 1200-1250 on 6185 KUJ 200 kW / 238 deg to SEAs Korean KCBS
 1200-1257 on 7220 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 1200-1250 on 7580 KUJ 200 kW / 109 deg to JPN Japanese
 1200-1250 on 9335 KUJ 200 kW / 028 deg to CSAm Korean KCBS
 1200-1257 on 9345 KUJ 200 kW / non-dir to NEAs Korean PBS, cancelled
 1200-1250 on 9650 KUJ 200 kW / 109 deg to JPN Japanese
 1200-1250 on 9850 KUJ 200 kW / 238 deg to SEAs Korean KCBS
 1300-1357 on 3250 PYO 100 kW / non-dir to NEAs Korean PBS, cancelled
 1300-1357 on 6170 KUJ 200 kW / 325 deg to EaEu Korean PBS, cancelled

1300-1357 on 6185 KUJ 200 kW / 238 deg to SEAs Chinese
 1300-1357 on 7570 KUJ 200 kW / 325 deg to WeEu English
 1300-1357 on 9325 KUJ 200 kW / 325 deg to EaEu Korean PBS, cancelled
 1300-1357 on 9335 KUJ 200 kW / 028 deg to NoAm English
 1300-1357 on 9850 KUJ 200 kW / 238 deg to SEAs Chinese
 1300-1357 on 11710 KUJ 200 kW / 028 deg to NoAm English
 1300-1357 on 12015 KUJ 200 kW / 325 deg to WeEu English
 1400-1457 on 3250 PYO 100 kW / non-dir to NEAs Russian
 1400-1457 on 6170 KUJ 200 kW / 325 deg to EaEu Russian
 1400-1450 on 6185 KUJ 200 kW / 238 deg to SEAs Korean KCBS
 1400-1457 on 7570 KUJ 200 kW / 325 deg to WeEu French
 1400-1457 on 9325 KUJ 200 kW / 325 deg to EaEu Russian
 1400-1457 on 9335 KUJ 200 kW / 028 deg to NoAm French
 1400-1450 on 9850 KUJ 200 kW / 238 deg to SEAs Korean KCBS
 1400-1457 on 11710 KUJ 200 kW / 028 deg to NoAm French
 1400-1457 on 12015 KUJ 200 kW / 325 deg to WeEu French
 1500-1557 on 3250 PYO 100 kW / non-dir to NEAs Russian
 1500-1557 on 6170 KUJ 200 kW / 325 deg to EaEu Russian
 1500-1557 on 7570 KUJ 200 kW / 325 deg to WeEu English
 1500-1557 on 9325 KUJ 200 kW / 325 deg to EaEu Russian
 1500-1557 on 9335 KUJ 200 kW / 028 deg to NoAm English
 1500-1557 on 9990 KUJ 200 kW / 296 deg to N/ME Arabic
 1500-1557 on 11545 KUJ 200 kW / 296 deg to N/ME Arabic
 1500-1557 on 11710 KUJ 200 kW / 028 deg to NoAm English
 1500-1557 on 12015 KUJ 200 kW / 325 deg to WeEu English
 1600-1657 on 3250 PYO 100 kW / non-dir to NEAs German
 1600-1657 on 6170 KUJ 200 kW / 325 deg to WeEu German
 1600-1657 on 7570 KUJ 200 kW / 325 deg to WeEu French
 1600-1657 on 9325 KUJ 200 kW / 325 deg to WeEu German
 1600-1657 on 9335 KUJ 200 kW / 028 deg to NoAm French
 1600-1657 on 9990 KUJ 200 kW / 296 deg to N/ME English
 1600-1657 on 11545 KUJ 200 kW / 296 deg to N/ME English
 1600-1657 on 11710 KUJ 200 kW / 028 deg to NoAm French
 1600-1657 on 12015 KUJ 200 kW / 325 deg to WeEu French
 1700-1757 on 3250 PYO 100 kW / non-dir to NEAs Russian
 1700-1757 on 6170 KUJ 200 kW / 325 deg to EaEu Russian
 1700-1750 on 7570 KUJ 200 kW / 325 deg to WeEu Korean KCBS
 1700-1757 on 9325 KUJ 200 kW / 325 deg to EaEu Russian
 1700-1750 on 9335 KUJ 200 kW / 028 deg to NoAm Korean KCBS
 1700-1757 on 9990 KUJ 200 kW / 296 deg to N/ME Arabic
 1700-1757 on 11545 KUJ 200 kW / 296 deg to N/ME Arabic
 1700-1750 on 11710 KUJ 200 kW / 028 deg to NoAm Korean KCBS
 1700-1750 on 12015 KUJ 200 kW / 325 deg to WeEu Korean KCBS
 1800-1857 on 3250 PYO 100 kW / non-dir to NEAs Korean PBS
 1800-1857 on 6170 KUJ 200 kW / 325 deg to WeEu German
 1800-1857 on 7210 KUJ 200 kW / 271 deg to SoAf French
 1800-1857 on 7570 KUJ 200 kW / 325 deg to WeEu English
 1800-1857 on 9325 KUJ 200 kW / 325 deg to WeEu German

1800-1857	on	9975	KUJ	200	kW	/	296	deg	to	N/ME	French	
1800-1857	on	11535	KUJ	200	kW	/	296	deg	to	N/ME	French	
1800-1857	on	11910	KUJ	200	kW	/	271	deg	to	SoAf	French	
1800-1857	on	12015	KUJ	200	kW	/	325	deg	to	WeEu	English	
1900-1957	on	3250	PYO	100	kW	/	non-dir	to	NEAs	Korean	PBS	
1900-1957	on	6170	KUJ	200	kW	/	325	deg	to	WeEu	German	
1900-1957	on	7210	KUJ	200	kW	/	271	deg	to	SoAf	English	
1900-1957	on	7570	KUJ	200	kW	/	325	deg	to	WeEu	Spanish	
1900-1957	on	9325	KUJ	200	kW	/	325	deg	to	WeEu	German	
1900-1957	on	9975	KUJ	200	kW	/	296	deg	to	N/ME	English	
1900-1957	on	11535	KUJ	200	kW	/	296	deg	to	N/ME	English	
1900-1957	on	11910	KUJ	200	kW	/	271	deg	to	SoAf	English	
1900-1957	on	12015	KUJ	200	kW	/	325	deg	to	WeEu	Spanish	
2000-2050	on	3250	PYO	100	kW	/	non-dir	to	NEAs	Korean	KCBS	
2000-2050	on	6170	KUJ	200	kW	/	325	deg	to	WeEu	Korean	KCBS
2000-2050	on	7210	KUJ	200	kW	/	271	deg	to	SoAf	Korean	KCBS
2000-2057	on	7570	KUJ	200	kW	/	325	deg	to	WeEu	French	
2000-2050	on	9325	KUJ	200	kW	/	325	deg	to	WeEu	Korean	KCBS
2000-2050	on	9975	KUJ	200	kW	/	296	deg	to	N/ME	Korean	KCBS
2000-2050	on	11535	KUJ	200	kW	/	296	deg	to	N/ME	Korean	KCBS
2000-2050	on	11910	KUJ	200	kW	/	271	deg	to	SoAf	Korean	KCBS
2000-2057	on	12015	KUJ	200	kW	/	325	deg	to	WeEu	French	
2100-2150	on	3250	PYO	100	kW	/	non-dir	to	NEAs	Japanese		
2100-2157	on	7235	KUJ	200	kW	/	non-dir	to	NEAs	Chinese		
2100-2157	on	7570	KUJ	200	kW	/	325	deg	to	WeEu	English	
2100-2150	on	7580	KUJ	200	kW	/	109	deg	to	JPN	Japanese	
2100-2157	on	9345	KUJ	200	kW	/	non-dir	to	NEAs	Chinese		
2100-2150	on	9650	KUJ	200	kW	/	109	deg	to	JPN	Japanese	
2100-2157	on	9975	KUJ	200	kW	/	271	deg	to	CHN	Chinese	
2100-2157	on	11535	KUJ	200	kW	/	271	deg	to	CHN	Chinese	
2100-2157	on	12015	KUJ	200	kW	/	325	deg	to	WeEu	English	
2200-2257	on	3250	PYO	100	kW	/	non-dir	to	NEAs	Japanese		
2200-2257	on	7235	KUJ	200	kW	/	non-dir	to	NEAs	Chinese		
2200-2257	on	7570	KUJ	200	kW	/	325	deg	to	WeEu	Spanish	
2200-2257	on	7580	KUJ	200	kW	/	109	deg	to	JPN	Japanese	
2200-2257	on	9345	KUJ	200	kW	/	non-dir	to	NEAs	Chinese		
2200-2257	on	9650	KUJ	200	kW	/	109	deg	to	JPN	Japanese	
2200-2257	on	9975	KUJ	200	kW	/	271	deg	to	CHN	Chinese	
2200-2257	on	11535	KUJ	200	kW	/	271	deg	to	CHN	Chinese	
2200-2257	on	12015	KUJ	200	kW	/	325	deg	to	WeEu	Spanish	
2300-2350	on	3250	PYO	100	kW	/	non-dir	to	NEAs	Japanese		
2300-2350	on	7235	KUJ	200	kW	/	non-dir	to	NEAs	Korean	KCBS	
2300-2350	on	7570	KUJ	200	kW	/	325	deg	to	WeEu	Korean	KCBS
2300-2350	on	7580	KUJ	200	kW	/	109	deg	to	JPN	Japanese	
2300-2350	on	9345	KUJ	200	kW	/	non-dir	to	NEAs	Korean	KCBS	
2300-2350	on	9650	KUJ	200	kW	/	109	deg	to	JPN	Japanese	
2300-2350	on	9975	KUJ	200	kW	/	271	deg	to	CHN	Korean	KCBS
2300-2350	on	11535	KUJ	200	kW	/	271	deg	to	CHN	Korean	KCBS

2300-2350 on 12015 KUJ 200 kW / 325 deg to WeEu Korean KCBS (DX RE MIX NEWS #773 from Georgi Bancov and Ivo Ivanov, March 21, 2013 via DXLD)

I really enjoy hearing the V of Korea English programs. Why? I don't know, I just do. I have been noticing that they are having anomalies lately. In the past weeks I've heard French at 1300 on 9335 instead of English, no program at all from 1240 to 1315. And numerous late starts, jumping into programming already in progress. I guess they must be receiving technical assistance from Cuba. Also, lately the news at the start of the program has become increasingly bellicose & threatening.

"we will incinerate the south so no one will even be able to find the surrender document." -- "the American imperialists will perish in the nuclear mushroom cloud..."

Anyone interested in hearing the fun: they are in English on 9335, 7570 & 11710 at 1300 & 1500 to North America. The 9335 signal is by far the best although it has CC RFA until 1330. The 11710 channel is pretty hopeless with CC China & Argentina & I think there is a DRM Indian program until 1315 too. They've not been on the listed 12015 channel for quite some time. here is a pretty accurate sked

<http://www.short-wave.info/index.php>

(Davd Hughes, KCMO, dxldyg via DX LISTENING DIGEST)

<http://swldxbulgaria.blogspot.com/2013/03/b-12-for-voice-of-korea.html>
(Georgi Bancov, ibid.)

<http://www.mediakat-blog.jp/user/hiroshi/vokb12feb20.gif>

de Hiroshi. Kc: KCBS, Kp: Pyongyang BS (S. Hasegawa, ibid.)

**** KOREA NORTH. VOICE OF KOREA DUMPS OWN PLAYER, ADOPTS FLASH**

130325-vok-01 --- The website of Voice of Korea, the DPRK's international shortwave radio service, has dumped its proprietary software player. The site previously required use of the player by users to hear its audio clips posted online (see, right), but that's not now the case.

Users can now listen with Flash, and that opens the audio up for the first time to Mac and Linux users. It also means that Windows users who were uneasy about downloading a North Korean software package onto their computers can now listen to the audio.

130325-vok-02 --- Users don't have to download the linked Flash package. Flash can be downloaded from Adobe, but is probably already present in most computers.

I don't visit everyday, so I'm unsure exactly when the change was made, but the proprietary player was there in early February. I know because I asked a security expert to scan it for malware. At the time it was being identified by some anti-virus packages as malicious, but an in-depth security scan revealed no problems. It was likely a false-positive, I was told (Martyn Williams, North Korea Tech blog March 26 via WORLD OF RADIO 1662, DXLD)

** KOREA NORTH [and non]. 9665, March 26 at 1245, song from KCBS // better 11680, but with a wavering LAH (low audible heterodyne). KCBS used to be perpetually off-frequency, but Wolfgang B. schel recently found these and many other channels on-frequency, presumably thanks to brand-new ChiCom transmitters, so have they reverted to an old unit? Maybe, but another explanation is ChiCom jamming during this hour against RTI in Chinese also on 9665. Jamming always takes priority over everything else (Glenn Hauser, OK, DX LISTENING DIGEST)

** KOREA NORTH [and non]. Some stations with broadcasts towards North Korea were observed without jamming:
1600-1630 7515 V of Martyrs, 7590 NK Reform R., 9780 Furusato no Kaze.

But Free N.K. Radio, 7485 at 1330 as and others on 3480, 3912, 3985, 4450, 4557, 6003, 6320, 6360, 6348, 6481, 6518, 6600 are jammed with different types transmitters (Rumen Pankov, Sofia, Bulgaria, March 25, DX LISTENING DIGEST)

** KOREA SOUTH [and non]. 15575, March 22 at 1337, KBSWR, poor signal in English as W&M are saying ``bye-bye`` closing program with a song.

Kevin O'Donovan sent the KBS A-13 schedule grid, which is now here:
<http://www.w4uvh.net/KBSWRA13.xls>

When viewed with Open Office Calc, the key to relay sites does not display properly, but of note is 9605 in Spanish at 01-02, which is surely the one from South Carolina (WHRI), which was tested a few weeks ago, replacing defunct Guiana French. Otherwise it looks about the same as before.

KBS' own KIM site is back in HFCC for A-13, but that's full of ``wooden registrations`` and most of them lacking languages, despite pleas of HFCC HQ. Nevertheless, 15575 is NOT shown for the 13-15 broadcasts for, if not to, North America! And still, no azimuths of less than 81 degrees are shown, i.e. nothing really for N America, further north than Japan, Hawaii and southern S America. What about their publicized new transmitter? Is it in service yet?

HFCC B-12 includes KBS only for relays via ISS, WOF, GUF and DHA
(Glenn Hauser, OK, DX LISTENING DIGEST)

I'm intrigued to see in the HFCC schedules below for A13, some registrations for RCI - Radio Canada International - as I thought they'd left shortwave?

0000-0200 9690
0000-0100 11895
2200-2400 9525
2200-2300 9870

all 250 kW daily via Kimjae, Korea.
(nothing was registered for B12 season)
73 (Alan Pennington, BDXC-UK yg via DXLD)

Alan, I noticed those too. But those **were** the very same RCI KBS (search on that) entries in HFCC A-12! Must be just carryover from then. HFCC A-13 is also full of other wooden entries from KIM site of KBS. It's not unusual for HFCC to include listings from two seasons ago, lacking anything more current, but often specified as such in the far-right columns. 73, (Glenn Hauser, *ibid.*) Some downunderite believed all this nonsense

These RCI entry requests are a fake, just left over requests of A12 season. Seemingly included RCI data uploaded by KBS administration file for to rebuild the data base A-13 in late December 2012. And all marked as "OLD-A12".

Obviously there were no members of KBS administration taking part on Tunis conference though. For example
9690 0000-0200 43SE,44S KIM 250 225 0 156 KOR RCI KBS 6284 OLD-A12
<<<<

so, nobody took care on this part of the file. UPLOAD these data have no meaning at all. 73 wb (Wolfgang B,schel, DX LISTENING DIGEST)

15575, Saturday March 23, will KBS World Radio be audible today during 'Worldwide Friendship'? At 1337 there is a very poor signal, but at 1341 it sounds more like a BBC documentary than the jollity of KBS. By 1355, too late, there is CCI between them.

BBC Cyprus remains scheduled on 15575 due east at 10-14. Of course, that will be terminated in a week with all other Cypriot transmissions. HFCC A-13 shows no BBC replacement, nor even KBS before 1400 on 15575, altho that remains on its own schedule grid I presented yesterday.

11635, March 25 at 0107, KBSWR good in Spanish about Korea North, i.e. doomed GUIANA FRENCH relay entering its final week, altho missing from HFCC B-12 listings; to be replaced in A-13 at 01-02 by WHRI on 9605, which is off the air this UT Monday, having cleared out whatever it had on there one night a week (Glenn Hauser, OK, DX LISTENING DIGEST)

KBS World Radio A-13 Schedule

Arabic

2000-2100 ME/Af 13585-Dhabayya

Chinese/Mandarin

2200-2300 China 7275

2300-2400 seAs 9805

1130-1230 China 6095 / seAs 9770

1300-1400 As 7275

English

1600-1700 Eu 9515 / seAs 9640

1800-1900 Eu 7275

2200-2300 Eu 11810

0200-0300 SAm 9580 / seAs 9690

0800-0900 seAs 9570

1100-1130 Eu 9760/DRM-Woofferton

1230-1330 China 6095

1300-1400 Ind 9570 / NAm 15575

1400-1500 seAs 9640

French

1900-2000 Eu 6145-Woofferton

2000-2100 Af 5950-Issoudun

German

2000-2100 Eu 3955-Woofferton

Indonesian

1600-1700 Ind/seAs 9805

2200-2300 Ind/seAs 9805

1200-1300 Ind 9570

1400-1500 Ind 9570

Japanese

0100-0200 SAm 9580

0200-0300 SAm 11810

0800-0900 As 6155 7275

0900-1100 As 9805

Korean

1600-1800 Eu 7275 Eu/ME/Af 9740

1700-1900 Eu 9515

0300-0400 SAm 11810

0700-0800 Eu 9860-Woofferton

0900-1000 Eu/ME/Af 15160

0900-1100 As 7275 / seAs 9570
1200-1300 As 7275
1400-1500 NAm 15575

Russian
1800-1900 Eu 15360-Woofferton

Spanish
1800-1900 Eu/ME/Af 9740
0100-0200 SAm 9605-S.Carolina,USA 11810
0200-0300 NAm 15575
1100-1200 SAm 11795

Vietnamese
1500-1600 seAs 9640
0100-0200 seAs 9690
1030-1130 seAs 9770

(Re-typed into text format by Alan Roe, from xls spreadsheet from
(Kevin O'Donovan, via Glenn Hauser, DX LISTENING DIGEST)

** KOREA SOUTH [and non]. 130323, 1050, 4924.985, Korean, possibly
Korean MND -- JongAn, with 4925.23 R·dio EducaÁ,,o Rural -- Brazil
nearby. Proximity to both stations made copy on either difficult. The
Korean was stronger. The Brazilian is a regular signal here (Mike
Gilchrist ñ Rural EC Iowa, March 23, dxldyg via DX LISTENNG DIGEST

** KUWAIT [and non?]. 21540, March 22 at 1345, R. Kuwait in Arabic
again has some heavy interference, four squishy pulses at a time,
pause, and repeat over and over. This is rather like an alarm from
some device, but not from here: it fades, so is being propagated from
somewhere; both it and RK abate at 1355, so I also again suspect it's
self-imposed. How does this sound in Afroeurasia?

21540, March 23 at 1328, R. Kuwait again with that alarm-like squishy
pulsing QRM; seems to be fading independently, indicating it is not
from the same transmitter with a defect. How about Spain? Usually co-
channel but not hearing it under 21540 now, altho audible weakly on
21610. Maybe the pulses are coming from the REE transmitter, serving
Kuwait right for usurping this frequency despite original registration
on clear 21520 which it has refused to use (Glenn Hauser, OK, DX
LISTENING DIGEST)

I have read in DXLD many instances where listeners are not hearing
Radio Kuwait very well. I can think back in the early 1980's when they
were on 11675 in my local ECNA afternoons with English at 1800. I
remember coming home from junior high on Fridays and catching their
sign on and afternoon programs. I liked that station and the programs.

It was always a good every day regular here especially on those long winter afternoons when we were penned up with snow and cold. Radio Kuwait would stack my Sangean ATS-803's five LED meter and then it would also stack the ten LED meter on the Sony ICF-2010 with just a 30 foot longwire out to the tree. I wonder what happened? Were things built differently after the Gulf War? I can remember hearing them in the early 90's and their signal was no way as good as it was before the Gulf War. It was always fading and fluttery. All I know is that thirty years ago both the Arabic and the English service pounded a killer signal every afternoon into my less than elaborate equipment back then (Stephen Price, Johnstown, PA, March 27, DX LISTENING DIGEST)

** LIBYA. 11600, Radio Libya (tentative); 1933, 19-Mar; M with very brief items and orchestral bumper between items; 1935 switched to whistle bumper; 1936 head-banger bumper into commentary; all in Arabic & mentioned Libya. SIO=2+53- (Harold Frodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, All logged by my ears, on my receiver, in real time! WORLD OF RADIO 1662, DX LISTENING DIGEST)

** MADAGASCAR. 6135 kHz, Mar. 21, 2013. 2200 UTC, Radio Madagasikara. Music with a female announcer giving an ID at the top of the hour. Moderately strong signal, but low audio.*
Recordings of logs marked with a * can be found at
<https://docs.google.com/folder/d/0B1pXiH2WMsbty1pnWVpWNERnODA/edit?usp=sharing>
(Tim Rahto, central Iowa, cumbre dx via WORLD OF RADIO 1662, DXLD)

If the ID is at the beginning of the 2-minute clip, I can't make it out. Would be extension of 6135 far beyond its usual hours; what else could it be? (Glenn Hauser, WORLD OF RADIO 1662, DX LISTENING DIGEST)

Hi Glenn, Have isolated the first spoken portion of Tim's recording and amplified it, per attachment. Not sure what to make of the language. I also do not make out any ID (Ron Howard, WORLD OF RADIO 1662, DX LISTENING DIGEST)

Hallo Ron/Glenn, Cannot with certainty make out language, intonation somehow reminds me of French? Recent observations of R Madagasikara s/off times: March 21: 1706:30, March 22: 1659:30 missing, March 23: 1702:54, March 24: 1703:27 (Martien Groot, Schoorl, Netherlands, TenTec RX340), dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

** MALAYSIA. 9835, RTM with signal S10, 1805 17 March with hip hop songs // 11665 S7, then advert for Uniraya 1858 with samba song.

5964.7, R. Klasik under severe QRM from a station on 5970 and 5965

(Zacharias Liangas, Thessaloniki, Greece, not sent until March 27, DX LISTENING DIGEST) no time, but between adjacent logs at 1920 and 1935 17 March (gh, DXLD)

** MALAYSIA [non]. RADIO FREE MALAYSIA to start broadcasting on MW 1359 kHz

Malaysia's newest independent radio station begins broadcasting on Monday night. Radio Free Malaysia will be available on Medium Wave at 1359 kHz AM/MW each night between 9pm and 11pm local Malaysia time. [13-15 UT]

The highlight of the first show will be a full-length exclusive interview with the PKR leader Anwar Ibrahim, who, like other opposition figures, has been largely excluded from Malaysia's mainstream media so far.

RFM represents a ground breaking venture, because it will be transmitted from outside of Malaysia and therefore is not subject to licencing by the federal government. The station therefore aims to be free of the political interferences that have caused Malaysia's media to become recognised as one of the most restrictive in the world.

iRFM will be free of political censorship by the ruling BN coalition and plans to provide a platform for alternative ideas and viewpoints, explains founder Clare Rewcastle Brown, who is basing the programme out of the UK.

iIt is well known that all press and broadcast media currently operating in Malaysia are forced to unquestioningly support and promote the ruling BN coalition and to denigrate the opposition parties, while excluding them from the chance to put their own policies and agendas before the people.

iIt is unacceptable that Malaysia poses to the world as a democracy and is about to hold a general election, and yet it is only members of the ruling coalition (in power for the entire 50 years since independence) who are allowed to have their voices heard by the people.

Radio Free Malaysia is a sister station of the existing short wave programme Radio Free Sarawak, which broadcasts on shortwave for the benefit of indigenous communities in East Malaysia. However, the new nightly programme will operate completely independently on the more accessible Medium Wave band and use only Bahasa.

iA separate team has come together to run this show and their remit is to provide two hours a day of the sort of programming that people have

been unable to find on any other mainstream radio or TV in Malaysia, says Rewcastle Brown. Just a few days ago one independent station was forced to withdraw an interview with Anwar Ibrahim from broadcast owing to political pressures. We do not intend to be bullied in this way and now we can bring people the interview that the authorities have tried to ban.

Anyone wanting to find out what the opposition policies and arguments actually are will now be able to tune in to our show, which can be accessed on any radio set in Malaysia and find out. At last people without access to the internet will have the opportunity to make a more informed choice at the ballot box.

It has also been of widespread concern that mainstream media outlets are being used by BN to spread politically motivated slanders and allegations about opposition figures and their policies, while at the same time refusing to allow them the space to answer the allegations or defend themselves in any way.

Our short two hour programme provides a very limited opportunity for people who have been attacked in the media to exercise their right to reply. It is not much, but it is better than nothing and I anticipate that people from all over Malaysia will be intrigued to be able to tune in for the first time to the opposition's response to the barrage of attacks they have been subjected to. We intend to punch above our weight, because we are providing a much needed service unavailable elsewhere, said Rewcastle Brown.

The programme will also focus on stories, which have so far been the subject of a disgraceful blackout in the regular media, because they are judged inconvenient to BN. Only the more free on-line news platforms have been allowed to give proper coverage to such matters as the Scorpene submarine contract scandal; the corruption scandals involving the Chief Ministers of Sabah and Sarawak; the murder of the model Altantuya; the so-called 'cowgate' scandal and numerous other cases of corruption and controversy involving those close to the BN government.

These matters are waiting to find a place on Radio Free Malaysia, so that a wider public can be made aware of the issues that have been suppressed in their regular newspapers and broadcasts, which are subjected to total censorship by 'News Controllers' answerable to the Ministry of Information, Communications and Culture, say the producers.

We would certainly be very pleased to also do interviews with any BN figures of significance who are willing to appear on our show, confirms Rewcastle Brown. However, they will not be getting the

deliberate soft ride they are always accustomed to from the licenced media. We will ask tough questions about tough subjects, which as the people in charge of making decisions for the country they ought to be answering.

Rewcastle Brown confirms that she will not be determining content. There is a team of Malaysian producers and presenters who will be running Radio Free Malaysia, we are merely operating out of the UK in order to avoid censorship.

Radio Free Malaysia will also be operating a call in line so that listeners can take part in the show the toll free number is 1-800-815-309 and callers will be able to leave messages and their number at any time of the day.

The Radio Show will also be accessible on-line via podcast at its website <http://www.radiofreemalaysia.org>

The station, which is operating independently of major donors, has launched a drive for donations via its website. We will not be able to maintain the project unless enough members of the public come to our help to support our costs. However, we are hopeful and confident that the millions of Malaysians, who are longing for a more free and open media will support us and keep us afloat

Radio Free Malaysia (RFM)
AM/MW 1359 kHz, 2100-2300 nightly
Also: <http://www.radiofreemalaysia.org>
Toll free number: 1-800-815-309
Email: info@radiofreemalaysia.org

(Press Release) Related :

[entire 2-hour audio, starting not in English except for name]
<http://soundcloud.com/radiofreemalaysia/new-malay-radio-station-debuts>

<http://www.freemalaysiatoday.com/category/nation/2013/03/25/radio-podcast-to-air-banned-interviews/>

(via Alokesh Gupta, New Delhi, 1619 UT March 25, dxldyg via WORLD OF RADIO 1662, DXLD)

Surely the 600 kW TAIWAN transmitter-for-rent, formerly used by Family Radio. Looks like 1359 should be a clear frequency, hugely eclipsing all other Asian transmitters, and nothing from Malaysia on that or adjacent channels --- in fact, a quick look at the WRTH shows hardly any MW from Malaysia at all, especially West Malaysia, where RTM is on FM only.

Dust off those AM dials --- or do radios sold there even have AM any more? The undemocratic government may also be looking at dusting off any old MW transmitters which may still be operable, as jammers (Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST)

TAIWAN [tentative], 1359: Raise the question, from which location this Opposite Radio towards Malaysia occur? Is that program content of Muslim terrorists? What is the background of this opposition, like Radio Free Sarawak? [no, and yes, see the PR]

Time seems in MYT - minus 8 hours = 1300-1500 UT in all Malaysia.

I guess is via Taiwanese 600 kW powerful site
Tachuang Ts'un [Ta-chuang Ts'un, Dazhuang Cun] {???}
Fangliao [Fang-liao] {??} [chinese characters]
P'ing-tung [Pingdong] {??}

Radio Taiwan International
(RTI / CBS, Central Broadcasting Station) {??????},
Radio Free Asia (RFA)

carries also RFA Vietnamese sce 23-24 UT
location at 22 23 15.93 N 120 33 58.58 E
Bing Maps
<<http://binged.it/ZnvoEu>>

Google Maps
<http://goo.gl/maps/waHVB>

main direction 220 degrees towards Singapore, 2950 kilometres distance to K-L at 240 degrees, towards Sarawak 2600 kilometres distance at 200 degrees. vy73 wb (Wolfgang B, schel, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

Video on YouTube about this yesterday:
<http://www.youtube.com/watch?v=7XdcndcGDBI>

Station has had a DDOS attack:
<http://www.freemalaysiatoday.com/category/nation/2013/03/26/new-radio-station-under-ddos-under-attack/>

They are uploading the broadcasts to Soundcloud:
<https://soundcloud.com/radiofreemalaysia>
(Mike Barraclough, March 26, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

Hi all, Radio Free Malaysia - presumed on 1359 at 1330 UT. Very Good Signal from Manila DX Tuner. 73 (Tony Magon, VK2IC, March 26, dxldyg)

via DX LISTENING DIGEST)

** MEXICO. 560, March 21 at 0615 UT, immediately on tune-in ID as ``La Tremenda``, which means per Cant`:

560 XESRD La Tremenda +FM 89.3 Santiago Papasquiaro, Dgo. 10,000 1,000 IRCA says 5000/250 watts with 0600 closing. WRTH shows 10/0.1 kW, so there we have three different night power figures! New one here, per search of DXLDs (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 600, March 27 at 1207 UT, frenetic music, ID mentioning 102.7 FM y 600 AM, poor signal but in the clear, barely a SAH from anything else. Cant` matches the frequencies as:

600 XEHW La Mejor + FM 102.7 Mazatlán, Sin. 5,000 1,000

However, lists three other 600s with no known FM, yet. And IRCA Log conflicts, showing XEHW as in Rosario, 5/1 kW, // 90.1 FM, as Ovni Radio, which means UFO (object flying non-identified). WRTH 2013 splits the difference, as La Ka0ona in Rosario! So which is it?

Back to Cant` where there is still a webpage link working to

<http://www.lamejor.com.mx/mazatlan/>

which features an amateur cheesecake gallery, but hard to find any frequency mentioned. Listening online at 1535 UT, there's a Sinaloa political discussion. Finally at 1546 after ad- and PSA-string, another ID as ``La Mejor, 102.7 y 600``, back to `Línea Directa`, 8:46 timecheck. Apparently La Mejor is a nationwide brand, but I am hearing local origination (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 720, March 26 at 0555, usual slow SAH with WGN, and with that nulled, ID for 105.7, and XEDE Saltillo, 11:54 timecheck, choral NA which lasts only 2 minutes! until 0557 another automated TC as 11:56, ID again. Male SHVA alternates with less hyped female announcer.

720, March 27 at 1205 UT, ``La Kaliente 105.7 y 720`` by SHVA, then 6:04 TC by live DJ. It's XEDE Saltillo, Coahuila, 8/0.25 kW per Cant` (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 750, March 24 at 0548 UT, as ordered last night, I am trying again to ID the tropical-music station: not much WSB now, must be semi-auroral conditions. Yes, at 0550, ``La Huasteca, cien por ciento huasteca``, i.e. XETI, Tempoal, Veracruz, per IRCA Mexican Log, 10000/250 watts, which I had previously heard last March (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 770, March 21 at 0608 UT ``Los 40 Principales`` 104.3 FM ID, rock in English, dominating channel. Hard to believe it's the 100-watts-at-night XEREV, Los Mochis, Sinaloa, as in IRCA Log, but it's the only XE on 770 with that slogan and that corresponding FM. Cant`

agrees the power is 5000 watts day, 100 watts night. WRTH says the day power is only 1000 watts, but all three agree on the night power. My first definite log of this one.

770, March 24 at 1228 UT, ``En Sinaloa nací`` tribute song, mentions Mazatlán, Culiacán, but later also adjacent states Sonora, Durango, Chihuahua; a daily ritual? 1232 ID for ``Chavez Radio K``, ``Los 40 Principales``, XHREV, 5:32 timecheck, i.e. FM side of XEREV, 770, Los Mochis, 5/0.1 kW per IRCA and Cant, 1/0.1 kW per WRTH. FWIW, today's Los Mochis sunrise was not until 1314 UT (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 790, March 24 at 1226 UT, long string of 8-digit phone numbers repeated, ``escuchan Grupo Fórmula``, gobierno federal PSA, ``Fórmula, 970-AM`` ID, i.e. flagship XERFR México DF whose local IDs are relayed all over the country.

There are two affiliates on 790, XEGAJ Guadalajara, Jal., and XENT La Paz BCS, surely the latter as loops southwest. Today's sunrise in Guadalajara is 1254, and La Paz 1321 per gaisma.com, and 1229 here. Usual conflicting info about powers; IRCA says XEGAJ is 1 kW, Cant and WRTH say 250 watts. IRCA and WRTH say XENT is 5/0.75 kW, Cant says 10/0.75 kW (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 800, UT Monday March 25 at 0505, surprised to hear the Mexican NA on a fixed radio, so hoping for anything but XEROK, quickly grab the DX-398 to get a DF on it, but too late, only hearing XEROK, which would normally be antheming at local midnite MDT = 0600 UT; however, maybe Sunday nites only plays it right after `La Hora Nacional` which originates live from DF at 0400-0500 UT until the rest of Mexico goes on DST April 7 (Glenn Hauser, OK, DX LISTENING DIGEST)
See also UNIDENTIFIED 1480

** MEXICO. 900, March 21 at 0602 UT after choral NA, full ID for XEDT, Ciudad Cuauhtémoc, Chihuahua, andXHDT 98.3 with 25 kW; then music starts but abruptly cuts off the air at 0603*, apparently intentional midnight close for the AM side, but extremely rude. At least it's more than the sked in IRCA Mexican log showing 14-02 UT on 900. Did not hear the name `Hits FM` as in IRCA and WRTH, but it's obvious the AM is now treated as subsidiary (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. 990, March 27 at 1206 UT, ``XET, La T Grande, Monterrey, 50 mil watts, cubriendo todo México``; then opening second hour of news, ``Enlace 99``. ``All`` of Mexico, that is except where the ten other 990 stations can overcome it! In fact, XET dominates here now at night, not just at dawn and dusk; haven't heard CBW in quite a while, conditions? Had to consult the NRC Pattern Book again to reassure myself that XET at night is supposed to radiate a circle tangent

southward only, altho non-direxional daytime. Today's Monterrey sunrise would be 1238 UT, while in Enid it's 1224 (Glenn Hauser, WORLD OF RADIO 1662, OK, DX LISTENING DIGEST)

** MEXICO. 2910-, March 25 at 0535 UT, very weak music, slightly on lo side, presumably 3 x 970, XEVT, Villahermosa, Tabasco, as per my previous extensive tracking. Mike Gilchrist in east-central Iowa has also been hearing this lately, not yet with a definite ID. As I found they are extremely rarely given.

Schedule is roughly 11-06 UT, presumably to become 10-05 UT with Mexican DST which does not start until April 7, a date originally co^ordinated with USA, until we moved it almost a month earlier, dragging border towns along with us (Glenn Hauser, OK, DX LISTENING DIGEST)

Glenn, still no ID on the suspected Mexican on 2909.991 (3 x 970). Signal was stronger this morning before sunrise here, but static crashes swamped receiver audio irregardless of ACG setting.

130325, 1125, 2909.993. Still no ID on suspected XEVT (3 x 970) Mexican harmonic. Interestingly, the carrier was stronger this morning, but with distinct fluttering on the audio. Some very strong peaks, and copious "Buenos Días," but no ID or frequency announcement (Mike Gilchrist ñ Rural EC Iowa, dxldyg via DX LISTENING DIGEST)

** MEXICO. 6010, XEOI Radio Mil; 0155-0203+, 20-Mar; M&W discussion in Spanish to 0200+ ID promo. Centers about 6009.96. Fair+ but need LSB due to heavy splash from CRI via Cuba on 6020 (In English before 0200 and Chinese after). (Harold Frodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, All logged by my ears, on my receiver, in real time! DX LISTENING DIGEST) 6020, you mean via ALBANIA

6010, Radio Mil, MÈxico City, 1040 to 1100 with strong // 1000 kHz (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST) Date? 21-23 March?

** MEXICO. 6185, March 26 at 0534, almost enough carrier to overcome adjacent Brasil 6180, but just barely modulated is XEPPM, a constant problem with them; schedule until 0600 will become 0500* from Mexican DST season starting April 7 (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. + SILENT KEY + The DX community mourns the loss of Luis Chartarifsky, XE1L, who was stricken with a major heart attack shortly after returning to San Diego after the TX5K Clipperton Island DXpedition. A DXer, a contester and a DXpeditioner, over the years he participated in several major operations, such as XF4L (1989), 3Y0PI

(1994), XR0Y & XR0Z (Easter Island & Salas y G mez 1995), XZ0A (2000), 9M0M (Spratly Islands 2001), S07L (2002), TZ6RD (2003) and 9N7MD (2011). He was also involved in several IOTA activations, notably from three Mexican "new ones" back in 1993. An on-line condolences book, set up by the Radio Club Satellite, can be found at <http://www.xe1rcs.org.mx/xe1l> (23 March 2013 A.R.I. DX Bulletin No 1142 via

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*** 4 2 5 D X N E W S ***

**** DX INFORMATION ****

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Edited by I1JQJ & IK1ADH, Direttore Responsabile I2VGW, via Dave Raycroft, ODXA yg via DXLD) For another version see CLIPPERTON [non]

** MICRONESIA. In 1030-1145 UT time slot of today March 22: 4755.505, Pacific Missionary Aviation, Pohnpei FSM (Wolfgang B.schel, on remote units in Far East and Australia this March 22, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** MOROCCO. Radio Mediterranee International --- It's transmitting on 9579.15. I can listing on my iPhone 4S via tunein at <http://tun.in/sepzp> See also: <http://www.medi1.com/> Nice selection of music. Sent from my iPhone (Des Preston, 0431 UT March 22, DX LISTENING DIGEST)

** NETHERLANDS. Nuevo edificio de RNW. Fotos del equipo en espa ol.

Sergio Acosta, uno de los integrantes del equipo productor de RNW en lengua castellana, publica hoy en el muro de la emisora en Facebook lo siguiente:

"A partir de hoy, 18 de marzo de 2013, Radio Nederland funciona desde este edificio, donde antes estuvo alojado el centro de formaci n de periodistas. Es mucho m s peque o que la sede anterior, pero mucho m s funcional y acogedor. Y, sobre todo, un cambio que todos vivimos con ilusi n."

[captions]

Imagen integrada 2 --- Hace unas semanas hicimos una visita para asegurarnos que todo iba bien.

Imagen integrada 9 --- ...sta es la entrada al edificio

Imagen integrada 10 --- Y hoy al llegar nos lo encontramos todo listo para empezar una nueva etapa.

Imagen integrada 11 --- En Holanda siempre hay torta para cualquier peque o o gran acontecimiento, y hoy no pod a faltar.

Imagen integrada 12 --- Y vino espumoso. Quiz·s era un poco temprano para beber, pero un d·a es un d·a.

Imagen integrada 13 --- El equipo de Radio Nederland en espa0ol brinda tambiÈn con ustedes.

Imagen integrada 3 --- Y despuÈs de las celebraciones, ya era hora de ponerse con la reuni0n editorial de la ma0ana.

Imagen integrada 4 [oops, maybe they are out of synch] (Sergio Acosta, Radio Nederland Internacional, Facebook, mar 18 2013 via Horacio Nigro, CX3BZ, "La Galena del Sur", Montevideo, Uruguay, condiglista yg via WORLD OF RADIO 1662, DXLD)

Dos sensaciones:

* De nostalgia: A una gran distancia - la que va aumentando con el paso del tiempo - qued0 la querida Radio Nederland de Edward Startz, Paco Bonello, Thom Mejer, Alfredo Hoffman Reyes, Jorge ValdÈs, Pancho Iba0ez, Nestor Hugo C·rcamo, Alfonso Montealegre, Jaime B·guena y tantos otros.

* De esperanza: La nueva Radio Nederland es un peque0o soplo de ilusi0n y, mientras se siga llamando as·, la recordaremos como era y la seguiremos buscando por aire (RubÈn G. Margenet, Argentina, ibid.)

The mentioned pictures are here (no login required to see them):

[http://www.facebook.com/media/set/?](http://www.facebook.com/media/set/?set=a.554218581266070.1073741829.174673405887258&type=1)

[set=a.554218581266070.1073741829.174673405887258&type=1](http://www.facebook.com/media/set/?set=a.554218581266070.1073741829.174673405887258&type=1)

See also

<http://criticaldistance.blogspot.com/2013/03/bit-spooky-ghosts-of-broadcasts-past-in.html>

(Kai Ludwig, Germany, dxldyg via DX LISTENING DIGEST)

Only thing is that I enhanced a bit pics light, brightness, contrast, etc. from the original FB ones (H. Nigro, Uruguay, ibid.)

Glenn, Thanks for sending these nice pictures which were easily opened by my handphone. Regards, (Tony Ashar, Indonesia, ibid.)

** NETHERLANDS [non]. The Mighty KBC just signed on at 0000 UT on 7375 on UT Sunday, March 24, 2013 with opening theme and classic rock song, solid Reception this hour. 67 db gain on the portable. A good night to hear a good station. Just played John Lennon song, at 0001 announcement and into next song on playlist. Still solid at 0004. 73's, (Noble West, NSW Music And Media, TN, Reciever: Tecsun PL380

DSP, Antenna: Built In Telescopic Fully Extended for All Band Coverage, dxldyg via DX LISTENING DIGEST)

Summary of the Mighty KBC March 24, 2013 broadcast 0000-0200 UT 7375 kHz via Nauen, Germany. Not hearing the utility QRM from last week. SINPO 45544. Opened with "Dizzy Miss Lizzy" sung live by John Lennon. Digital text at 0130 and 0159. 0122 UT "Today in History". 0141 "Dutch News". 0155 "Hello To Listeners".

Almost perfect digital items.

2013-3-24 0130 UTC Olivia 8-1000 centered on 2500 Hz sent while country song played.

I will keep the audio level of this Olivia 8-1000 low, because I don't want to spoil this great song, "Someday Soon," sung by Suzy Bogguss, written by Ian Tyson.

Thanks to The Mighty KBC.

2013-3-24 0159 UTC MSFK64 centered on 1500 Hz

... start
[WRAP:begin][WRAP:linefeed][WRAP:filename KBC_240313.b2s]<filemessage>1.1.29
:header_fm:21
KD9XB 20131903211720
:header_ed:21
KD9XB 20131903211313
<blankform>
:message:530 <h1 style="color:blue">VOA Radiogram</h1>
<h2>...is now on the air. Dr. Kim Andrew Elliott introduces digital text modes.</h2>
<h2>Saturday 1600-1630 UTC on 17860 kHz</h2>
<h2>Sunday 0230-0300 UTC on 5745 kHz (30 minutes from now!)</h2>
<h2>Sunday 1300-1330 UTC on 6095 kHz</h2>
<h2>Sunday 1930-2000 UTC on 15670 kHz</h2>
<h2>All via IBB Greenville, North Carolina</h2>
<h2>More information at voaradiogram.net</h2>
<h1 style="color:green;font-style:italic">With thanks to The Mighty KBC</h1>
[WRAP:checksum F183][WRAP:end]
... end

see webpage here

<http://misc.kg4lac.com/2013-3-24-MightyKBC-7375kHz-0159UTC-MSFK64-centered-on-1500Hz.htm>

2013-3-24 0159 UTC MSFK32 centered on 2500 Hz

Sending Pic:135x79C;

with white KBC letters on blue background

see image here

<http://misc.kg4lac.com/2013-3-24-MightyKBC-7375kHz-0159UTC-MSFK32.jpg>

73, (Kraig, KG4LAC, Krist, Manassas, Virginia, United States of America, dxldyg via DX LISTENING DIGEST)

Another Mighty 6095 test! Only for Europe we are testing on Tuesday 26-03-2013 on 6095 kHz from Nauen.

0900-1000 UT 6095 kHz 125 kW antenna HR 2/2/0.5 230 degrees

1000-1100 UT 6095 kHz 100 kW antenna HR 2/4/0.5 230 degrees

Mail us your reports via themightykbc@gmail.com or via info@transportradio.nl (The Mighty KBC Facebook page 25 March via Alan Pennington, BDXC-UK yg via DXLD)

** NEW ZEALAND. 6679-USB, poor March 24 at 1253, VOLMET with jerky robotic voice in DU accent, then mentions Auckland, which fits the 6679 rotation in EiBi: NZ at H+20 & 50; Honolulu at 25 & 55; Tokyo at 10 & 40, Hong Kong at 15 & 45 (Glenn Hauser, OK, DX LISTENING DIGEST)

** NEW ZEALAND. RNZI A13, 31 Mar 2013 - 27 Oct 2013

UTC		kHz		Target Days
0459-0758	11725	AM	11675	DRM Pacific Daily
0759-1058	9700	AM	9890	DRM Pacific Daily
1059-1200	9655	AM	9890	DRM Timor AM Pacific DRM Daily
1200-1258	9655	AM		Timor Daily
1300-1550	6170	AM		Pacific Daily
1551-1650	6170	AM	7440	DRM Cook Islands, Samoa Daily
1651-1750	9700	AM	7440	DRM Cook Islands, Samoa, Tonga Daily
1751-1850	9700	AM	9890	DRM Cook Islands, Samoa, Tonga Daily
1851-2150	11725	AM	15720	DRM Niue, Samoa, Tonga Daily
2151-0458	15720	AM	17675	DRM Pacific Daily (RNZI via Alokesh Gupta, New Delhi, dxldyg, via WORLD OF RADIO 1662, DXLD)

RNZI has posted its A13 (effective Mar 31) schedule at

<http://www.rnzi.com/pages/listen.php>

Here it is only slightly reformatted to my tastes.

Time(GMT)	Freq	MOD	Freq	MOD	Target
0459-0758	11725	AM	11675	DRM	Pacific
0759-1058	9700	AM	9890	DRM	Pacific
1059-1200	9655	AM			Timor
1059-1200			9890	DRM	Pacific
1200-1258	9655	AM			Timor
1300-1550	6170	AM			Pacific
1551-1650	6170	AM	7440	DRM	Cook Is/Samoa
1651-1750	9700	AM	7440	DRM	Cook Is/Samoa/Tonga
1751-1850	9700	AM	9890	DRM	Cook Is/Samoa/Tonga
1851-2150	11725	AM	15720	DRM	Niue/Samoa/Tonga
2151-0458	15720	AM	17675	DRM	Pacific

(via Dan Ferguson, March 26, shortwavelistening yg via DXLD)

Our direct broadcasts can be heard on short-wave as follows :
 31 Mar 2013 - 27 Oct 2013

0459-0758	11725	AM	11675	DRM	Pacific Daily
0759-1058	9700	AM	9890	DRM	Pacific Daily
1059-1200	9655	AM	9890	DRM	Timor AM Pacific DRM Daily
1200-1258	9655	AM			Timor Daily
1300-1550	6170	AM			Pacific Daily
1551-1650	6170	AM	7440	DRM	Cook Islands, Samoa Daily
1651-1750	9700	AM	7440	DRM	Cook Islands, Samoa, Tonga Daily
1751-1850	9700	AM	9890	DRM	Cook Islands, Samoa, Tonga Daily
1851-2150	11725	AM	15720	DRM	Niue, Samoa, Tonga Daily
2151-0458	15720	AM	17675	DRM	Pacific Daily

World Radio Network: The WRN programme is distributed via direct-to-home satellites, cable systems, FM and AM rebroadcasts and Internet.

Korero Pacifica - Recorded in RNZI's Wellington studios, this 15 minute programme includes a news bulletin covering the Pacific region including Fiji, Tonga, the Cook Islands, Vanuatu, Solomon Islands, Samoa and New Zealand, followed by a short current affairs feature.

In New Zealand, WRN is available on cable in some northern parts of the North Island.

Our WRN programme is available from the WRN Sound Store
<http://www.wrn.org/listeners/#home-listeners/>
 as a RealAudio file.

WRN North America (English)
 Korero Pacifica ó Tue-Fri 1700, TueñSat 0545
 Dateline Pacific ó Mon 0230, 1700, Sat 1500, Sun 0230

WRN Asia Pacific
Korero Pacifica ó MonñFri 1700, Mon-Fri 2345
Dateline Pacific ó Mon 0300, Sat 1730, Sun 2300

WRN Europe (English)
Korero Pacifica ó MonñFri 1700
Dateline Pacific ó Daily 0400

WRN Africa (English)
Korero Pacifica ó Tue 1700, 2345
Dateline Pacific ó Mon 0300

For more details see
<http://www.rnzi.com/pages/listen.php>
(via Mike Terry, dxldyg via DXLD)

** NIGERIA. The VON schedule reproduced in DXLD 13-12 is NOT a schedule, but an artifact made up from insufficient empirical material and some precarious hypotheses. I would be very surprised if VON did broadcast one single day as this list suggests.

- In general: VON does not publish proper schedules anyway - both website and announcements are likely to be outdated or otherwise wrong. And almost all transmissions are somewhat irregular.

- In detail: That all transmissions except AM-15120 should be via Abuja, seems to be a wild guess. I'm quite sure that some transmissions on 7255 and 9690 are via Abuja, others via Ikorodu. There are various hints, but no real proof on exactly what is from where. At 2000 there are two different programmes: French on 7255 and Hausa on 9690. The latter is likely Abuja, the former sounds like Ikorodu (and seemed to be off as well as afternoons 9690, when 15120-AM was also off for several days, while Hausa on 9690 was running).

It is undoubted that 15120-AM is usually via IKO (easy to observe here with the typical IKO problems). And I'm pretty sure that there is not any regularity (also not a planned one, I guess) in the variations between Monday-Friday and Saturday/Sunday mentioned in the Bulgarian list for the evening transmissions. For example, DRM has been also heard at weekends, but it's also very irregular on Mon-Fri (Thorsten Hallmann, Münster, Germany, <http://www.africalist.de.ms> March 24, DX LISTENING DIGEST)

2000-2100 7255 AJA 250 kW / 248 deg to WeAf French Voice of Nigeria
2030-2100 9690 NAU 250 kW / 185 deg to CeAf Hausa Mon-Fri Voice of America, not Voice of Nigeria
73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via DX LISTENING DIGEST)

** NIGERIA. Today's Financial Times carries a Reuters obituary of novelist, poet, broadcaster and lecturer Chinua Achebe, described as the grandfather of modern African literature. It mentions that Achebe was the director of external broadcasting for the Nigerian Broadcasting Corporation from 1961 to 1966 (Mike Cooper, GA, Mar 23, for DXLD)

** NORTH AMERICA. 6925-USB, UT Saturday March 23, pirate with music, hitting 7-8 signal bars on the DX-398 on the porch with a few meters of external antenna inplugged; lyrix ``Everybody knows --- that's how it goes``, sort of a cowboy song like PPP might sing. 0112 cuts off song abruptly, seemingly live announcement about 6925-USB, was Leonard Cohen, which inspires him, ``on board the R/V Red Mercury``, refers to experiments below, got secret clearance; shoutouts to RCCI in Chicago, S5 signal there; pumping out about 110 watts; address redmercurylabs @ yahoo.com. 0114 intro an oldie but goodie, hard rock. I find it's so strong it's pumping, but sounds fine if I turn the RF gain on the DX-398 all the way down! That must qualify for S9 here. Can also hear it OK with whip only and full RF gain.

0119.5, another live announcement, winds NW at 12 kts gusting to 16-18; a bit rough on the hi seas, storm coming in. Has been a tough week, with regulatory agencies, audit next week, a few experiments went awry. More shoutouts: Duckmaster in western Mass, S-3; northwest Oregon, S5; west coast, S7; Joe Farley in Chicago, S8. Says it's a Yoshi transmitter. S4 in Houston, S9 at Dr. Strangelove's. May have more equipment aboard this summer, more voltage. Found the Yoshi transmitter in New Mexico desert in the late 50s, top secret. Last song was Megadeath. Pirate says he has been in bands, plays bass guitar; 0124 will wrap it up soon after a 6-minute oldie. And it's about time for me to tune over to me on Area 51, which is only one or two bars stronger on 5110v-CUSB than RML.

I got a nice red e-QSL from him just over a year ago:
<http://www.w4uvh.net/redmercury.jpg>
but will request another if he has a different design
(Glenn Hauser, OK, DX LISTENING DIGEST)

** NORTH AMERICA. 6950.7 - The Crystal Ship on the air right now, 0035, with program about heavy metal music. Iron Butterfly, Moody Blues. Commentary from the Poet. Good reception. A little static but strong signal (Stephen Wood, Harwich, Mass. UT March 26, NASWA yg via DXLD)

** OKLAHOMA [and non]. 960, Saturday March 23 at 1247 UT, KGWA Enid transmitting dead air, open carrier, with usual hum, just like almost nightly (but not March 23) at 0500-0505. Now, however, after sunrise, too little signal from any understation to recognize. Looking thru the

disjointed program schedule,
<http://www.kgwanews.com/lineup>
I don't find anything listed during this hour.

960, UT Monday March 25 at 0500-0505 UT, KGWA Fox-hole, dead air but the hum level is worse than usual, and all I can hear underneath at precise null is ABC News, i.e. KMA, Shenandoah IA. Often on UT Mondays there is no hole, but you never know whether there will be one or not from KGWA Enid (Glenn Hauser, OK, DX LISTENING DIGEST)

** OKLAHOMA. 1020, March 24 at 0545 UT, KOKP Perry in open carrier/dead air again, audiblizing more easily KDKA.

By next check 1214 UT, ``you're listening to Max Sports 5`` looping over and over, apparently satellite feed in a break; tune to sibling station 1580 KOKB and same is airing there, but 1215 cut to a local Stillwater ad. At 1222, KOKP back to ``Max Sports 5``, then dead air (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA. 1210, March 24 at 1239 UT, weather forecast includes hi of 74 today, from ``US Country 1210, KGYN``. Whatt?? Enid has snow on the ground, and NWS shows hi in Guymon will be 40. Enid SR was 1229 UT today, and KGYN's official FCC sunrise in March is 1300. Maybe not now, but most of the time lately at night they seem to have been properly protecting Philadelphia, not inbooming here (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA. CP GRANTED: 1340, KJMU, OK, Sand Springs ñ Granted CP for U1 500/1000 [note: lower power in daytime??] from new site (36-08-09 / 96-05- 32). (AM Switch, NRC DX News via DXLD) currently off the air

** OKLAHOMA. 1570, March 21 at 2010 UT on caradio, praise music in Spanish, and only that at further chex during the hour. So KZLI Catoosa Tulsa, as just tipped by Bruce Winkelman at 1933:

``Glenn, it appears that KZLI-1570 Catoosa/Tulsa is no longer // KXTD-1530. KXTD is still ESPN Deportes but KZLI now seems to be broadcasting Spanish religious programming. Heard this afternoon while running "honey-do's" 1830-1900Z 21MAR13. KZLI had Spanish religious music/hymns with a soft-voiced female at 1855Z "Esta es La Luz" slogan(?)/ID between songs. Bruce Winkelman, Tulsa, OK``
(Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA. 1640, March 24 at 0610 UT, open-carrier, dead air again from KOAG. All three Enid AM stations do this, more than elsewhere? Do they just not understand how to program their automation, or what? Obviously no one is in charge axually monitoring their own stations, especially overnight, godforbid with silent sensors awakening someone;

who cares? (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA. 1650, March 23 at 0105 UT, haven't checked KYHN Sallisaw / Fort Smith AR for several days, so are they still stunting? Yes! Still claiming to be a 10,000-watt station eclipsing puny 1 kW-ers, even tho they better be 1,000 watts themselves after sunset; sounds like it, as periodically losing out to Iowa. Promo for Clark Howard Show at 5-8 pm, 0107 still plugging it; 0108 singing ID for western Arkansas and eastern Oklahoma, again flaunting its 10 kW superpower, announcing as 'program previews'. This has been going on since reactivation Feb 11, first logged here Feb 12. When will KYHN ever get down to business?

1650, March 24 at 0611 UT, ``upcoming show previews`` still running on KYHN Sallisaw (Glenn Hauser, Enid, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** OKLAHOMA. 93.1, March 26 afternoon, ``straw sucking almost empty cup`` translator K226BR of KIMY Watonga 93.9, has been missing for some time, uncovering Hutchinson/Pratt KS station. Hope it's gone for good (Glenn Hauser, OK, DX LISTENING DIGEST)

** OKLAHOMA. 31.3, March 22 at 1530 UT and most of the time whenever checked lately, KXOK Enid's third virtual channel on RF31 and RF32 continues to show Azteca PSIP ID, but it's black and silent! While MundoFox is OK on 31.2 (Glenn Hauser, Enid, D XLISTENING DIGEST)

** PALAU [and non]. 9965, March 22 at 1424, R. Australia 1300 relay sesquihour in Chinese almost over with Australian English lesson; also lite pulse jamming from CUBA which just can't get over 9965 once having carried a low-power R. Rep'blica transmitter in Costa Rica.

But no ChiCom jamming audible, as alleged by R. Australia but yet to be proven. And no mixing product foulup by T8WH as logged last Sunday, but beware of it this Saturday and Sunday when their 9930 transmitter is also scheduled on the air at 12-14. What happened then: same RA Chinese programming heard on 9930, 9965, 10000 blocking WWVH, and even 10035.

After last Sunday's debacle, made sure to check T8WH on Saturday when it's supposed to be on 9930 and 9965 again: March 23 at 1238, 9930 has gospel huxter in English, 9960 in Khmer with BRB's clandestine. 9930 goes off at 1300* and 9965 comes on at *1300, as if the same transmitter switched? Latter with R. Australia starting Chinese. So there can't be any mixing product landing on 10000 or 10035.

Per Aoki, 9930 is supposed to stay on past 1300 with 'Truth for the World' on Saturdays and otherhuxters till 1400; maybe some haven't

paid up. However, at 1349 check, 9930 is back on with a lo-fi, hummy g.h., scheduled 'Day of Challenge'. At 1350, 9965 remains OK with RA Strine lesson for Chinese, and no spurs. Still need to recheck Sunday in case some parameters differ causing the previous problem.

9930, March 24 at 1301, T8WH is on with English gospel huxter, and so is 9965 with R. Australia Chinese relay just starting: OK this Sunday, unlike last week when RA Chinese was heard on 9930, 9965, 10000 and 10035.

11925, March 24 at 1314, World Harvest Radio prayer-line plug in English, immediate segue 1315 to R. Japan relay opening Indonesian! Another relay client, like Vietnam via WHRI, is not getting a decent interval between WHR's agenda and their own (Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** PALAU [and non]. WBCQ The Overcomer Monistry on 15420 --- 23/Mar USA, WBCQ The Overcomer Monistry in English. Two different modulations at the same frequency, both in English. An emphatic OM with religious preaching. The other OM soft-spoken. At 1458 OM soft-spoken says the ID (I did not understand) and at 1500 end of transmission. The signal is very weak, in my QTH and enters a strong buzzing noise, but continues the modulation of religious preaching. The buzzing noise is also present in SDR, Twente. After 1500 continues The Overcomer Monistry (Jorge Freitas, Feira de Santana, Bahia, 12 14¥S 38 58¥W - Brasil, dxldyg via DX LISTENING DIGEST)

Jorge, Not clear if you meant double-audio from WBCQ only, but Aoki shows there is a collision with Palau only on Saturdays:

15420 T8WH MFC Worldwide 1430-15007 English 100 270
Palau Medorn PLW 13431E 0721N T8WH Angel4 b12

15420 WBCQ The Overcomer Ministry 1400-15007 English 50 245
Monticello USA 06750W 4620N TOM WBCQ3 b12 H3E

You should have been able to hear T8WH without WBCQ on the LSB (Glenn Hauser, ibid.)

Glenn, Are two transmissions distinct, as you say. When I wrote the log, I had not realized the information in the list EIBI:
15420 1430-1500 SaSu USA World Harvest Radio E SAs /PLW
Thank you, 73 (Jorge Freitas, ibid.)

** PAPUA NEW GUINEA. On remote units in Far East and Australia this March 22 1315-1345 UT, PNG logs, just on threshold, very weak tiny signals except 3365 kHz.
3204.967, NBC Sandaun, Vanimo, West Sepik, PNG, Kundu (Provincial) Sce

3259.994, NBC Madang, Madang PNG, Kundu (Provincial) Service
3364.983, NBC Milne Bay, Alotau PNG, Kundu (Provincial) Sce, the
strongest PNG station as usual. S=9+15dB in Brisbane AUS.
3384.994, NBC East New Britain, Rabaul PNG. Kundu (Provincial) Sce
3905.000, NBC New Ireland, Kavieng Kundu (Provincial) Service
(Wolfgang B, schel, DX LISTENING DIGEST) within 2 Hz of above logs:

130325, 1105, 3259.996, R Madang, Madang, 23232. Pidgin news man/woman
1200 same news broadcast as 3364.985; off air abruptly at 1211 end of
news.

130325, 1135, 3364.985, R Milne Bay, Alotau, 23232, M/F music in
English 1135; 1200 same newscast as 3259.996.

R New Ireland was nearly armchair copy this morning and the clearest
frequency in many mornings.

130327, 1004, 3905, R New Ireland, Kavieng, 33333, 1003 "NBC National
Radio on 90.7 FM" News in Pidgin (Mike Gilchrist, rural East Central
Iowa, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

Hi Mike, You have recently had some very nice Pacific reception over
there in Iowa. Indeed March 27 was also especially good here at the
beach in California.

3260, NBC Madang ñ 1204-1206: "News in brief" (did not start with
the usual bird call); 1206: relay of "NBC National Radio" with IDs and
promo for "90.7 FM NBC National Radio"; no local IDs; suddenly off at
1210* which is their normal off time within a minute or two.

3385, NBC East New Britain ñ 1159 with Pacific region C&W style
song till suddenly off at 1201*. An extremely early off for them.

3905, NBC New Ireland - 1220: in Tok Pisin with discussion with
the National Health Minister about malaria; pop songs; several
phone calls that started with "Hello. Good night. NBC New Ireland";
today this was the best of all the NBC stations; 1240 tune out.

Thanks again for sharing your interesting logs with us! (Ron Howard,
CA, dxldyg via WORLD OF RADIO 1662, DX LISTENING DIGEST)

** PAPUA NEW GUINEA [non log]. Radio Fly. March 26. For about three
days now have not heard any open carrier on 3915 during my usual
checking from 1200 to 1400. Finally off the air now, after seemingly
running on very low power for a long time?

<http://www.oktedi.com/operations/mine-closure-planning>
discloses that Ok Tedi Mining Ltd. (owner and operator of Radio Fly)
plans on closing down their mining operation iaround mid- to late-

2013î. What effect will that have on Radio Fly? (Ron Howard, Asilomar State Beach, CA, EtÛn E1, dxldyg via DX LISTENING DIGEST)

Status of Radio Fly (Papua New Guinea)

Hi Glenn, Please note new contact persons at Radio Fly:

iGimbo, Steven SGî < Steven.Gimbo @ oktedi.com > and
iCheung, Estella ECî < Estella.Cheung @ oktedi.com >.

Received the following in reply to my query sent to James Kaltobie about the current status of Radio Fly:

iThanks Ron for asking. Steven heads Radio Fly now which comes under OTML's Media and Public Relations Dept which is managed by Estella who is also copied here.

Find Stevenís response below. For any queries on Radio Fly you can either contact Steven or Estella as I am no longer with Radio Fly. Appreciate that you are one of the first listeners abroad who picked up Radio Fly and continue to be interested in Radio Fly.

Best regards, Jamesî

-----Original Message-----

From: Gimbo, Steven SG

Sent: Wednesday, 27 March 2013 7:54 AM

Subject: RE: Radio Fly shortwave operation closing?

Hi JK, SW will come on soon. There's some technical problems we are working on to fix. Please inform Ron. Thanks and Cheers, Steve
(via Ron Howard, Asilomar State Beach, CA, March 26, dxldyg via DX LISTENING DIGEST)

Hi Glenn, Here is another interesting response received from OTML regarding my query sent to Nigel Parker about the current status of Radio Fly:

"Dear Ron, good to hear from you again and to know that you remain a faithful Radio Fly devotee.

Contrary to what you may have heard there is a bright future for OTML with the mine to continue well into the late 2020's. You would also be pleased to know that OTML is actively engaged in extending the coverage of Radio Fly from our current limited geographical footprint to a comprehensive Western Province footprint by utilising mobile phone towers to add repeaters.

The primary purpose is to enable the broadcast of "School of the Air" programs as a way to bring education to the remote communities of the Western Province. To get this going we are now sourcing the funding for this extension. I would also like to point you to the Ok Tedi Development Foundation website - <http://www.otdf.com.pg> which will provide some insight to our part of the world for you.

Again thank you for your continued interest. Kind regards N

Nigel Parker

Managing Director & Chief Executive Officer

Ok Tedi Mining Limited"

(via Ron Howard, California, March 27, WORLD OF RADIO 1662, *ibid.*)

** PERU. 3329.5, Per', Ondas del Huallaga, Hu-nuco, 1030 to 1040 om en espa0ol, 23 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** PERU. 5039.1, Per', Radio Libertad de JunIn, JunIn, om with chat fading out 1100 to 1120 on 22 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** PERU [and non]. 5980, March 21 at 0055, CNR1 jamming of VOA is no longer a problem due to propagation, so the DentreCuban Jamming Command fills in on occasion with noise against no Radio Marti whatsoever at this hour, helping to block DX reception of R. Chaski, Urubamba, Per', but which still manages enough of a carrier to be detectable with BFO until its progressively-later cutoff each night, now at 0101:17.5* or so.

5980, March 22 at 0100, DentreCuban Jamming Command is pulsing away against nothing, except the R. Chaski carrier which I can barely detect with BFO to time its offgoing at 0101:22.5*, which is 5 sex later than last night. Local noise level is also a problem.

5980, March 23 at 0057, all I hear is the DentreCuban Jamming Command against nothing, and enough R. Chaski carrier underneath with BFO to time its cutoff tonight at 0101:27.5* which is another 5 sex later than last night.

5980, March 24 at 0056, Cuban pulse jamming and JBA carrier; 0059* 5990 CRI/CUBA splash is already off, then R. Chaski carrier still detectable until cutoff at 0101:32.5 = 5 sex later than last night.

5980, March 25 at 0054, Cuban pulse jamming against nothing is worse than usual, but with BFO, the carrier from R. Chaski still detectable. 5990 CRI/CUBA splash lasts a semiminute past 0100, still jamming on

5980, no modulation audible, but the carrier goes off at 0101:37.5* = 5 sex later than last night.

Our sunset was at 0047 UT and the streetlight came on about 0055. In two weeks, Enid SS will be at 0100, and the Chaski signal, even if unimpeded, will be degrading progressively at this end of the path. In a trimonth circa Solstice, our SS will reach 0153.

5980, March 26 at 0059, four minutes after my streetlite kix on, pulse jamming from Cuba against nothing is dominant, along with splash from CRI/Cuba 5990, which lasts a bit past 0101 as CRI English is futilely opening with note that this 'Beijing Hour' was recorded at 7 am = 2300 UT.

But still, there is a carrier detectable with BFO from R. Chaski, and it cuts off at 0101:43.5 which is 6 sex later than last nite, altho I may have been slightly off as the very weak signal fades a bit and may have done so at turn-off time. I fear there will be no more audio coming thru from Urubamba, but I did post a couple clips of it a few weeks ago.

5980, March 27 at 0053, DentreCuban Jamming Command continues to pulse here every night against nothing but R. Chaski; in fact, it's worse than usual, maybe two transmitters mixing, judging from irregularity of pulses. At least 5990 CRI relay and its splash are off by 0059, and the 5980 Urubamba carrier is still detectable with BFO until cut off at 0101:48.5 which is 5 sex later than last nite (Glenn Hauser, OK, DX LISTENING DIGEST)

** ROMANIA [and non]. 7210, March 26 at 0530, RRI Enescu theme mixing about equal level with Arabic, i.e. CRI via ALBANIA, a collision thruout B-12 during this semihour of RRI in Russian via Tiganeshti. Yes, the targets are quite different, but it's absurd for two sites as close together as these to be co-channel, no matter what the azimuths and different targets. Neither of these listed in HFCC A-13, but I bet they resume their close relationship in B-13 (Glenn Hauser, OK, DX LISTENING DIGEST)

** ROMANIA. Re: Radio Romania International to leave the World Radio Network --- I could see RRI going the same route as Polish Radio, reduced to a couple of politically important language services directed to very specific audiences. Interesting times (Steve Luce, March 20, dxldyg via DX LISTENING DIGEST)

See ITALY [non] for discussion of transmitter sites in ROMANIA

** RUSSIA. 4996, RWM Moscow, 2356 with time pips, good, 23 March (XM, Cedar Key, South Florida, NRD 525D, R8A, E-5 via Robert Wilkner,

DX LISTENING DIGEST)

** RUSSIA. DRM tests from Moscow starting tomorrow --- 21 March 2013

The WRTH Facebook page reports that DRM tests from Moscow will take place on 25900 kHz, starting tomorrow at 1000 UT and ending on Saturday 1000.

<http://dxing.ru/novosti/21-radioveschanie/1835-novyj-drm-test-v-moskve.html>

<https://www.facebook.com/pages/WRTH-World-Radio-TV-Handbook/>

(via Mike Terry, March 21, dxldyg via DXLD)

That Facebook link goes nowhere, not even login prompt (gh, DXLD)

Japanese DXer received it although being unstable. It carried Mayak.

http://www.youtube.com/watch?v=zmK8gGy0o6k&feature=player_embedded

on 25900 kHz at 0720 UT on Mar. 23 by DFS in Shimane-pref.

http://www.youtube.com/watch?v=tST1p5GmTF0&feature=player_embedded

by DFS (S. Hasegawa, Japan, dxldyg via DX LISTENING DIGEST)

** RUSSIA. A13 Schedule of RRS

Radio Russia

Frequency / Start UTC- Stop UTC / Transmitter / Latitude / Longitude /
Beam / Power (kW) / Days of operation (Sun=1) / From date / To date /
Notes

[First batch are all: 1234567 / 31-Mar-2013 / 27-Oct-2013 except where
are extra numbers at the right, meaning days of week other than all]

5930	0100-2100	19	Murmansk	68N58	032E46	339	50		
5930	1700-1300	25,26,35	Petro. Kam.	52N59	158E39	30	100		
5940	1700-1300	25,26	Okhotsk	59N30	143E00	30	100		
6085	2100-1700	21,22	Krasnoiarsk	56N01	092E54	348	50		
6100	2100-1700	32	Krasnoiarsk	56N01	092E54	0	5		
6160	0100-2100	19	Murmansk	68N58	032E46	333	40		
6195	2100-1700	32,33	Irkutsk	52N18	104E18	0	50		
7215	1730-2100	27,28	Moskva	55N45	037E18	267	250		
7320	1700-1300	24,25	Okhotsk	59N30	143E00	45	100		
7325	1700-1800	29SE	Armavir	45N00	040E49	190	100	2	6
7325	1800-1900	29SE	Armavir	45N00	040E49	190	100	1	
7230	1900-1500	23	Iakutsk	62N01	129E48	0	100		
7365	0610-0700	30	Novosibirsk	55N04	082E58	295	250		
9690	0610-0700	30	Samara	53N20	050E10	58	250		
11785	0410-0500	32	Novosibirsk	55N04	082E58	85	250		
12000	0810-0900	29N	Armavir	45N00	040E49	327	100		
12070	0400-0800	27,28	Moskva	55N45	037E18	260	250		
13665	0830-1300	27,28	Moskva	55N45	037E18	267	250		

13735	1330-1700	27,28	Moskva	55N45 037E18	267	250
15110	0400-0500	32	Samara	53N20 050E10	58	250
15195	0800-0900	29N	Samara	53N20 050E10	294	250

[second batch extracted by gh are all
 1234567 / 31-Mar-2013 / 01-Aug-2013 / test
 --- what's that about?? Either/or, or both sites at once? See below]

6160	1500-2100	29NW	Kaliningrad	54N42 020E30	40	15
6160	1500-2100	29NW	Armavir	45N00 040E49	327	30
6200	2100-1500	29NW	Kaliningrad	54N42 020E30	40	15
6200	2100-1500	29NW	Armavir	45N00 040E49	327	30
7370	1700-0500	29NW	Kaliningrad	54N42 020E30	40	15
7370	1700-0500	29NW	Armavir	45N00 040E49	327	30
7430	0500-1700	29NW	Kaliningrad	54N42 020E30	40	15
7430	0500-1700	29NW	Armavir	45N00 040E49	327	30
9740	0200-1700	29NW	Kaliningrad	54N42 020E30	40	15
9740	0200-1700	29NW	Armavir	45N00 040E49	327	30
9820	1700-0200	29NW	Kaliningrad	54N42 020E30	40	15
9820	1700-0200	29NW	Armavir	45N00 040E49	327	30

(from <http://www.hfcc.org/data/a13/index.phtml> via RusDX via DXLD)

Comment from Editor :

[the following extracted from above should really be, specifically:]
 [all: 1234567 31-Mar-2013 27-Oct-2013]

iNa volne Tatarstanaï

9690	0610-0700	30	Samara	53N20 050E10	58	250
15110	0400-0500	32	Samara	53N20 050E10	58	250
15195	0800-0900	29N	Samara	53N20 050E10	294	250

GTRK iAdygeyaï

7325	1700-1800	29SE	Armavir	45N00 040E49	190	100	26	[Tue & Fri]
7325	1800-1900	29SE	Armavir	45N00 040E49	190	100	1	[Sunday]

These should be the frequencies for test broadcasting in **DRM** in
 the direction of Central Russia [all 1234567 31-Mar-2013 01-Aug-2013]:

6160	1500-2100	29NW	Kaliningrad	54N42 020E30	40	15	test
6160	1500-2100	29NW	Armavir	45N00 040E49	327	30	test
6200	2100-1500	29NW	Kaliningrad	54N42 020E30	40	15	test
6200	2100-1500	29NW	Armavir	45N00 040E49	327	30	test
7370	1700-0500	29NW	Kaliningrad	54N42 020E30	40	15	test
7370	1700-0500	29NW	Armavir	45N00 040E49	327	30	test
7430	0500-1700	29NW	Kaliningrad	54N42 020E30	40	15	test
7430	0500-1700	29NW	Armavir	45N00 040E49	327	30	test
9740	0200-1700	29NW	Kaliningrad	54N42 020E30	40	15	test

9740 0200-1700 29NW Armavir 45N00 040E49 327 30 test
9820 1700-0200 29NW Kaliningrad 54N42 020E30 40 15 test
9820 1700-0200 29NW Armavir 45N00 040E49 327 30 test

(Editor Anatoly Klepov, Rus DX March 24 via DXLD)

** RWANDA. 6055, Radiodiffusion Rwandaise, 0400 to 0425 mostly wonderful local music some talk by YL, QRM from Havana on 6060, 23 March (XM, Cedar Key, South Florida, NRD 525D, R8A, E-5 via Robert Wilkner, DX LISTENING DIGEST)

** SAAR. 183 kHz, Germany, Europe 1, Felsberg -Saarlouis-, 0430 to 0440 y1 and om in French, good signal, 22 March (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

** SARAWAK [non]. 15360, 22/Mar 0941, PALAU (Relay), R Free Kenyalang in Iban. Music and at 0942 OM talk, external commentators. 25332 (Jorge Freitas, Feira de Santana, Bahia, 12 14ZS 38 58ZW - Brasil, Degen 1103 - All listening in mode of filter Narrow the 3 kHz. Dipole antenna, 16 meters - east/west, Escutas (listening, my blog): http://www.ipernity.com/doc/75006_dxldyg via DX LISTENING DIGEST)

** SOLOMON ISLANDS. In 1030-1145 UT time slot of today March 22: 5019.878, SIBC Solomon Isls, Honiara (Wolfgang B.schel, on remote units in Far East and Australia this March 22, DX LISTENING DIGEST)

** SOLOMON ISLANDS [and non]. My quest to relog as many of the Papuans (and vicinity) as possible is meeting with limited success this winter. Yes in Iowa, it's still winter. 5019.877 Solomon Islands, and 3905 Radio New Ireland when the "ducks" aren't present are the only regulars. SIBC usually booms in here right before my sunrise, until splash from Rebelde on 5025.01 rises at Cuban sunrise. Clear SIBC IDs. (Mike Gilchrist ñ Rural EC Iowa, March 23, dxldyg via DX LISTENING DIGEST) His SIBC measurement only 1 Hz away from Wolfgang's (gh)

** SOMALILAND. Re 7120 kHz im Amateurfunkbereich - for ever - leben wir damit. FYI:

Aus einer IARU mail hat sich jetzt der Umstand verfestigt, welcher schon letzten August/September bei diesem theoretischen Vorgehen in den Blogs mit gleichem Tenor diskutiert wurde.

Die einzige Chance die Frequenz von Hargeysa Somaliland 7120 kHz auf die diskutierte 7530 kHz im Rundfunkband zu aendern, haette in den ersten 4 Wochen im August 2012 bestanden, als sich die 8 chinesischen Techniker von der Firma BBEF Beijing noch vor Ort in Hargeysa Somaliland aufhielten.

Keiner der einheimischen non-Techniker Bediener traut sich einen Frequenzwechsel zu, noch viel weniger eine mechanische Verkuerzung ihrer 41 Meterband Antenne, bzw. den Antennen-Tuner auf die neue Wellenlaenge abzustimmen... Sind halt keine Funker ... 73 wb df5sx (Wolfgang B,schel, A-DX March 23 via BC-DX March 26 via DXLD)

** SOUTH AFRICA. 11 Meter Broadcasters: Reading the comments about any broadcasters using eleven meters for the peaking solar cycle in the past, I can add to the list. I can remember Radio RSA, The Voice of South Africa, coming in quite well on my Realistic DX-66 multiband \$49.99 radio back in the fall of 1982. I would listen to them at the kitchen table with just the whip antenna. They were a regular here while eating breakfast. I always enjoyed hearing the infamous bird chirp and guitar interval signal. The frequency was 27590 or 27595 (Stephen Price, Johnstown, PA, March 27, DX LISTENING DIGEST)

I remember it too: 25790 (Glenn Hauser, DXLD)

** SOUTH AFRICA. 7230, Channel Africa with English News on "Africa Rise and Shine". ID between each item. I must say, as far as African 'breakfast shows' go, I like this one the best. They are understandably Africa-centric, but their style is in-depth and they take the time to flesh out each item instead of just repeating the headlines over and over! Splatter and a HF Het from 7235 but using LSB minimized it 34+454 with VERY occasional QRhAM that made it worse. 0425-0445 4/Mar (Kenneth Vito Zichi, MI, MARE Tipsheet March 22 via WORLD OF RADIO 1662, DXLD)

A13 Schedule of Channel Africa, via SENTECH, Meyerton, 26S35, 028E08, all 23456 = M-F only, 31-Mar-2013 to 27-Oct-2013]

kHz	UTC	CIRAF	Lang	Az	kW	
3345	0300	0500	52SE,53W,57N	Eng	5	100
5980	0300	0400	48,52E,53	Eng	19	250
7230	0500	0700	52SE,53W,57N	Eng	5	100
15255	0600	0700	46S,47,52	Eng	328	250
9625	0700	1200	52SE,53W,57N	Eng	5	100
9625	1200	1300	52SE,53W,57N	Nya	5	100
9625	1300	1400	52SE,53W,57N	Loz	5	100
9625	1400	1500	52SE,53W,57N	Por	5	100
9625	1500	1600	52SE,53W,57N	Eng	5	100
15660	1500	1600	48,47,52,53	Swa	25	250
15235	1600	1700	46S,47,52	Fra	340	250
15235	1700	1800	46S,47,52	Eng	340	250

(via gh, English portion on WORLD OF RADIO 1662, DXLD)

** SOUTH CAROLINA [non]. ARMENIA: 7400, Overcomer Ministry; 2135, 21-

Mar; Bro Ralph Gordon Stair, the last days prophet of god & convicted fondler. SIO=3+53-; not // 9370 WWRB(presumed). (Harold Frodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, All logged by my ears, on my receiver, in real time! DX LISTENING DIGEST)

15370, March 23 at 1316, very poor signal with Brother Scare. DX Re Mix News March 18 listed this as the only hour currently for TOM via TRM, i.e. 250 kW, 60 degrees from SRI LANKA (Glenn Hauser, OK, DX LISTENING DIGEST)

** SPAIN. REE. The Programme grid for Spanish language programming of REE has now finally been updated following the programme changes early into the B-12 season. Note that the programme times for UT are, I think, for the start of "Summer" time from 31 March, so this week the actual UT times are one hour later than shown. You can find the programme grid at <http://www.rtve.es/radio/radio-exterior/programacion/> (Alan Roe, Teddington, UK, March 24, dxldyg via DX LISTENING DIGEST)

[and non]. 11910, Sunday March 24 at 1311, REE Beijing relay within 'Amigos de la Onda Corta', Pedro Sedano's monthly media report, interrupted by characteristic beeping sounders. Fair with flutter, but quite readable, rather different harsher audio than we get from Noblejas direct, such as 17595 fortunately active Sundays secretly for us, but who knows what will result after A-13/DST jumbling next week? At least maybe we shall no longer be faced with the choice of hearing Spain's or Cuba's DX show at 1335.

Axually, Alan Roe finds that REE has finally updated its program grid at the end of B-12 and already showing A-13 timings, including AOC at 1200 and 2300 UT Sundays at: <http://www.rtve.es/radio/radio-exterior/programacion/> but will we still have a frequency? (Glenn Hauser, OK, DX LISTENING DIGEST)

Programaci n y frecuencias de REE-A13
http://programasdx.com/ree_a13.html
Saludos (Jos  Bueno, C rdoba, Espa a, March 27, Hard-Core-DX mailing list via DXLD)

As usual this contradicts the above link! Amigos de la OC is shown as Sundays at 12-13, which is one UT hour earlier than winter, but the other airing at as 00-01 UT Mondays, which is unchanged.

As for the frequency schedule, still shows English to Africa, Europe,
11615 19-20 M-F Africa
9665 19-20 M-F Europe

9650 21-22 S/S Europe

and nothing but these to N America:

6055 49 m. 0000ñ0100 INGL...S Diaria
9630 DRM 31 m 0000ñ0200 ESPA-OL Diaria
9650 31 m. 0415ñ0445 SEFARDÛ Martes
6055 49 m. 2300ñ0000 FRANC...S Diaria

However, we shan't be surprised if they keep on secretly aiming 17595 to N America in Spanish on weekend mornings, as they have all winter (Glenn Hauser, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** SPAIN. Playa de pals costa brava --- I'm looking for my archive for a good picture of the transmittersite of Radio Liberty, Playa de Pals. Who can help? (Andre Schokker, March 24, shortwavesites yg via DXLD)

Hello Andres, I can't help you with pictures of Playa de Pals. I wish I had them myself. But I can help with a video of the station from Catalu0a Television. Please download the 3 parts and glue them together with Winzip/Winrar. Have fun. The 3 parts are here:
<http://www.mediafire.com/download.php?kcz8fcidd53ibww>
<http://www.mediafire.com/download.php?g1l6jvr4tlti3kd>
<http://www.mediafire.com/download.php?053opzxcaj57j8p>
(Jan Oosterveen, ibid.)

Hallo Andre, Just was looking on google for pictures, and guess what???? I came across a website of the Playa de Pals Radio museum. It deals completely with the history of the station. Losts of pictures in fan videos. This is the link :

<http://www.radioliberty.org/introang.html>

Miscchien ken je hem misschien niet. Suc6 (Jan, ibid.)

In Panoramio

<http://www.panoramio.com/photo/66399833>
<http://www.panoramio.com/photo/6331350>
<http://www.panoramio.com/photo/38821046>
<http://www.panoramio.com/photo/34803097>
<http://www.panoramio.com/photo/38821039>
<http://www.panoramio.com/photo/38821030>
<http://www.panoramio.com/photo/38821018>
<http://www.panoramio.com/photo/38821010>
<http://www.panoramio.com/photo/38821000>
<http://www.panoramio.com/photo/966900>
<http://www.panoramio.com/photo/45663706>
<http://www.panoramio.com/photo/55711700>
<http://www.panoramio.com/photo/4040746>

<http://www.panoramio.com/photo/6427240>
<http://www.panoramio.com/photo/6427232>

see also PDF file of high gain antennas and B&W images of 1968.
http://www.radioliberty.org/curtain_pals_radio_liberty.rar

antennas
<http://www.radioliberty.org/recinta98.jpg>

a lot of photos
<http://www.radioliberty.org/recinta05.jpg>

<http://www.radioliberty.org/recintcast.html>

model
<http://www.radioliberty.org/maqueta00.jpg>

and aerial view
<http://www.radioliberty.org/vistaaeriasang.html>

a lot of TX tubes
<http://www.radioliberty.org/magatzemcast.html>

after destruction
<http://www.radioliberty.org/deterioramentang.html>
<http://www.radioliberty.org/destruccioang.html>
<http://www.radioliberty.org/demolicioang.html>
<http://www.radioliberty.org/diadespresang.html>
<http://www.radioliberty.org/publicacio02ang.html>
<http://www.radioliberty.org/publicacio03ang.html>
<http://www.radioliberty.org/misceang.html>
<http://www.radioliberty.org/publicacio09.pdf>

QSLs
<http://www.radioliberty.org/publicacio07.jpg>
<http://www.radioliberty.org/publicacio05.jpg>
<http://www.radioliberty.org/publicacio06.jpg>

audios
<http://www.radioliberty.org/audioang.html>

<http://www.radioliberty.org/document18.jpg>
<http://www.radioliberty.org/document21.jpg>
(via Wolfgang B. schel, ibid.)

You can also watch the hole documentary on YouTube with original sound
though with Swedish subs
<http://www.youtube.com/watch?v=tJnxsSL3bbY>

73's de (Chris St^dberg, SM6VPU, ibid.)

** SRI LANKA [and non]. BBC SUSPENDS SRI LANKAN BROADCASTS

The BBC's World Service has suspended its broadcasts on the Sri Lankan Broadcasting Corporation (SLBC) because of what its calls "continued interruption and interference" of the corporation's Tamil programming.

More at :

<http://www.guardian.co.uk/media/greenslade/2013/mar/26/bbc-world-service-srilanka>
--- (via Alokesh Gupta, New Delhi, March 26, dxldyg via DXLD)

The BBC's World Service Director, Peter Horrocks, today announced the suspension of BBC broadcasts on SLBC (the Sri Lankan Broadcasting Corporation) following continued interruption and interference of BBC Tamil programming on SLBC.

Peter Horrocks said: iWe regret the disruption in service to our loyal audiences in Sri Lanka, but such targeted interference in our programmes is a serious breach of trust with those audiences, which the BBC cannot allow. We spoke to SLBC last week about interference that took place on 16-18 March and warned them they were in breach of their broadcasting agreement. Further disruption on Monday 25 March has left the BBC with no alternative but to suspend the service with immediate effect. If the SLBC have specific complaints about any BBC output they should take them with us, as we have invited them to do and not interfere directly with broadcasts in ways that are unacceptable to the BBC and misleading to our audiences.i

The BBC took similar action in 2009 when its services were also disrupted. Audiences in Sri Lanka can continue to listen to the BBC on Shortwave and via our online services.

BBC Tamil

25 meterband (11965 kHz)

31 meterband (9855 kHz)

49 meterband (6135 kHz)

41 meterband (7600 kHz)

BBC Sinhalese

49 meterband (6135 kHz)

31 meterband (9615 kHz)

41 meterband (7699 kHz)

[SIC; OLD B-12 INFO ANYWAY? how about the times??]

BBC World Service English content is broadcast on SLBC at GMT: 0300 to 0430; 1130 to 1230 and 1330 to 1430. And via our websites:

<http://bbc.com/news>

<http://bbc.co.uk/tamil/>

<http://bbc.co.uk/sinhala/>

(Press Release via Alokesh Gupta, New Delhi, dx_sasia yg via DXLD)

The original BBC PR which the Guardian merely reproduced, but in doing so eliminated all references to shortwave and sexed up the story by turning it into a complete closure of BBC broadcasts for Sri Lanka:

<http://www.bbc.co.uk/mediacentre/latestnews/2013/bbc-world-service.html>

An article about the previous interruption in 2009:

<http://www.guardian.co.uk/media/2009/feb/09/bbc-suspends-fm-shows-sri-lanka>

Quite interesting the turn provided back then from Colombo. In short:

There's no trust whatsoever, merely cash flow.

<http://www.asiantribune.com/?q=node/15592>

See also

[http://english.aljazeera.net/programmes/listeningpost/](http://english.aljazeera.net/programmes/listeningpost/2009/02/2009213104038330240.html)

[2009/02/2009213104038330240.html](http://english.aljazeera.net/programmes/listeningpost/2009/02/2009213104038330240.html)

(Kai Ludwig, dxldyg via DX LISTENING DIGEST)

** SUDAN. 11300/USB, Khartoum, Sudan ATC; 2145, 19-Mar; Male ATC working aircraft calling Khartoum. ATC's English is good -- have heard much worse (Harold Frodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, All logged by my ears, on my receiver, in real time! DX LISTENING DIGEST)

** SUDAN SOUTH. NEW VOA FM TRANSMITTER LAUNCHED IN SOUTH SUDAN

<http://www.bbg.gov/press-release/new-voa-fm-transmitter-launched-in-south-sudan/>

(via George Thurman, DXLD) Viz., same?

WASHINGTON, D.C. - A new Voice of America FM transmitter officially signed on today in South Sudan, offering a high quality signal to listeners in the capital of the world's newest country.

VOA English to Africa Service Chief Sonya Lawrence Green told dignitaries and fans at the launch ceremony in Juba, "93.5 FM will provide the latest news, talk shows, music and sports, 24-hours a day, seven days a week." The transmitter will serve an estimated 400,000 residents in Juba and the surrounding areas.

Green thanked those who had helped make the event possible and said the popular VOA program South Sudan in Focus will continue to offer news "for South Sudan, about South Sudan and by South Sudan reporters."

Speakers at the launch included U.S. Ambassador Susan Page, South Sudan's Minister for Telecommunications, and a representative from the

country's independent media organization. MC for the event was John Tanza Mabusu, the managing editor of the popular VOA program South Sudan in Focus.

The interactive program, produced in Washington and hosted by John Tanza and Charlton Doki, encourages audience members to share their thoughts and ideas, which are often incorporated into the show. Audience research indicates that 90% of listeners would recommend the program to a friend.

"Listeners are hungry for breaking news and cultural information that VOA is well-placed to provide because we have a team of South Sudanese reporters around the country, a bureau in Juba, and an editorial staff in Washington D.C., where we also cover U.S. foreign policy and diaspora angles to the South Sudan story," says Green.

The Juba FM joins the network of VOA transmitters operated by the U.S. Broadcasting Board of Governors in Nairobi, Kenya; Accra, Ghana; Abidjan, Côte d'Ivoire; Bangui, Central African Republic; and the newly launched FM in Bamako, Mali.

For more information about this release, contact Kyle King at the VOA Public Relations office in Washington at (202) 203-4959, or write kking@voanews.com. For more information about VOA, visit the Public Relations website at <http://www.insidevoa.com> or the main news site at <http://www.voanews.com> (VOA PR via DXLD)

** TAIWAN [non]. At 2325 Radio Taiwan International is still transmitting in English on 15440 even though their schedule says it should have only been on from 2200 to 2300 to NA. The parallel frequency of 6115 is also on, but with no audio. 73, (Jim K5JG, Carrollton, TX, March 26, psw yg via DXLD)

** THAILAND. 9585, R Thailand, 1914 UT 17 March, Megabank's internet address ID then international news, 43543 (Zacharias Liangas, Thessaloniki, Greece, not sent until March 27, DX LISTENING DIGEST)

9950, March 25 at 1405, YL with strange accent in English about the price of gold: it's R. Thailand on poor signal, which I have somehow missed logging here thruout B-12.

Unusually, A-13 HFCC for NBT shows no change, still 9950 at 1400-1430, but the rest of English will be: 9390 at 1230-1300, 1900-2000, 2030-2045; 15275 at 0000-0030, 0030-0100, 0200-0230; 17770 at 0530-0600

9720, March 26 at 1227 open carrier comes on a few sec after CRI Filipino closes; thought it could be same site with another language, but no, at 1230 sliver of a gong, march music, open live broadcast

from the Public Relations Department, Radio Thailand's evening news in English; sufficient signal via Udorn which from next week/month/season moves to 9390 (Glenn Hauser, OK, DX LISTENING DIGEST)

** TUNISIA. 7275, March 25 at 0526, IWT is back! This morning service in Arabic at 0400v-0626* went missing on March 15. The other absentee, 7335 is also back for the 0600v-0810 overlapping transmission checked at 0608 (Glenn Hauser, OK, DX LISTENING DIGEST)

These also heard here, and they are back on again this morning (26th). But on Monday the 25th I didn't hear any transmissions from Tunisia later in the day on 17735, 7345 or 7225 which seem to be the three frequencies in use then. What will occur today, I wonder. This is what Tunis registers with the HFCC from the 31st March - do 13730 and 13860 replace no longer listed 17735?

Tunesian [sic, all:] Radio & TV ONT arb Sfax 34N48 010E53
1234567 31-Mar-2013 26-Oct-2013

[NOTE: experience has shown: SUBTRACT ONE HOUR FOR UT!! -- gh]

9725	0400	0610	38,39	100	250
12005	0400	0610	38,39	100	500
13730	0400	0610	38,39	100	500
13730	0400	0610	38,39	100	250
7275	0500	0730	27,28W	340	500
7335	0700	0910	37	265	500
11900	0700	0910	37	265	500
9725	1700	2110	38,39	100	250
12005	1700	2110	38,39	100	500
13860	1700	2110	38,39	100	500
7225	1800	2210	27,28W	340	500
7345	2000	0010	37	265	500
9440	2100	0010	37	265	500

(Noel R. Green (NW England), dxldyg via DX LISTENING DIGEST)

From schedule 10 years ago, to zones 38 and 39, at 100 degrees towards Arabian peninsula / NE Africa:

38 Libya, Egypt
39 Turkey, Iraq, Syria, Lebanon,
Israel, Jordan, Arabian Peninsula.

17735 kHz 1200-1700 UT 38,39 SFA 500 kW 100 degr TUN RTT ONT

Other directions are 340 degrees towards Western Europe, and 265 degrees towards West Africa/Sahel. But lowered power from 500 to 250 kW now. 73 (Wolfgang B, schel, dxldyg via DX LISTENING DIGEST)

** U K [non]. Hi all, I was Interested to read Dan's suggestion that the evening BBC WS 6190 transmission to Southern Africa is no longer coming via Meyerton, but rather via Seychelles and UAE. I note that both EiBi and HFCC agree. But when did this change actually occur? Up to March 19 the signal heard in Jo'burg has been largely indistinguishable from that normally heard via Meyerton although, in retrospect, probably slightly more fadey. But tonight, March 20, it was poor at 1810 and almost unreadable by 1900. I wonder if this change before the end of B12 was prompted by the recent unreliability of Sentech's Meyerton facility?

South Africa (NOT). BBC WS relay, 6190 Meyerton (NOT). Mar 20, 2013 Wednesday. 1810-1915. Poor-very poor. Jo'burg sunset 1619. Regards, (Bill Bingham, RSA, dxldyg via DX LISTENING DIGEST)

B-12 was 6190 MEY
03-06 and 16-22 UT 015 degrees,
06-12 UT 360 degrees

Noted BBC requested from March 6th onwards: 6190:
ASC 03-04 115 degr
MEY 04-06 015 degr
MEY 06-16 360 degr
MEY 16-18 015 degr Sat only - Premier League I guess
SEY 16-18 240 degr Suns to Fris
is aimed mainlobe at Malawi, Harare, Windhoek direction.

UAE 18-22 210 degrees, according to Google earth distance of 7430 km aimed mainlobe via Gaborone to Cape Town.

A-13 schedule, much reduced in southern winter season but still remain via Meyerton 6190 MEY
05-06 UT 015 degr
06-08 UT 360 degr
16-20 UT 015 degr
73 wolfy (Wolfgang B.schel, ibid.)

** U K. In this week's 'Over to You' on the BBC World service, the issue of shortwave jamming is explained and this confirms what was said on Media Network Plus from PCJ a few weeks ago. The BBC say only 6 hours of English will be broadcast per day on SW from the start of the A13 season.

Has anyone noticed there are only 4 time pips on the hour now instead of the usual 6? Sent from my BlackBerry® smartphone (Gary Drew, March 23, BDXC-UK yg via DXLD)

What?? only 6 hours a day of English on SW? A-13 HFCC schedule shows

22 hours a day, and still on multiple frequencies, but with a gap at 08-10 UT. Yet anything less than 24h of the BBCWS on SW is a very depressing milestone.

<http://www.hfcc.org/data/schedbybrc.php?seas=A13&broadc=BBC>
73, (Glenn Hauser, dxldyg via DX LISTENING DIGEST)

That edition of Over To You is an interesting listen as the Chinese jamming takes up most of the programme. They have identified a jamming transmitter site and referred it to the ITU. [but where is it??? gh]

Nigel Fry, BBCWS Head of Transmission and Distribution says:

"At the end of March when the schedules change we'll be reducing the level of English output in many areas quite considerably down to around six hours a day so that we continue to serve the peak hours." The programme can be heard online at:

<http://www.bbc.co.uk/programmes/p015tb9c>
(Mike Barraclough, dxldyg via DX LISTENING DIGEST)

I did listen to it, and as others later pointed out, the 6 hours a day referred to the span in particular target areas, not as a whole (Glenn Hauser, ibid.)

On 6190 Meyerton the BBC WS has just announced that it is reducing English to six hours daily IN SOME AREAS. Sounded like the end of "Over to you" but I'm not sure as they cut off for a transmitter change at the crucial moment. Here in South Africa we are still getting six pips at TOH. Regards, (Bill Bingham, RSA, ibid.)

The A-13 schedule still lists:

ENAFE to Africa 1234567 English G BBC BAB ENAFE:

3255	0500	0600	52SE,53SW,57N	MEY	100	0	0
3255	1600	2000	52SE,53SW,57N	MEY	100	0	0
6190	0500	0600	52SE,53SW,57N	MEY	100	15	0
6190	0600	0800	52SE,53SW,57N	MEY	100	0	0
6190	1600	2000	52SE,53SW,57N	MEY	100	15	0
9860	0600	0700	52SE,53SW,57N	MEY	100	15	0
11945	0400	0600	48SW,53NW	SEY	250	285	15
12095	0700	0800	52SE,53SW,57N	MEY	100	15	0
12095	1500	2000	48SW,53NW	SEY	250	280	0
15420	0400	0800	48SW,53NW	SEY	250	270	0
15420	1500	2000	48SW,53NW	SEY	250	270	0
17640	0600	0800	48SW,53NW	SEY	250	280	0
17640	1600	1700	52SE,53SW,57N	ASC	250	114	0

(Wolfgang B,schel, dxldyg via DX LISTENING DIGEST)

NEW SCHEDULE WITH REDUCED SHORTWAVE TRANSMISSIONS BEGINS ON BBC WORLD

SERVICE ON 1 APRIL 2013 --- BBC Media Centre, 25 March 2013
<http://www.bbc.co.uk/mediacentre/latestnews/2013/ws-new-schedule.html>

The World Service English global schedule will be simplified with fewer regional variations from Sunday 31 March 2013 and shortwave Arabic broadcasts will cease.

The reductions to shortwave services were announced in October 2012 as part of the UK government's 2010 spending review. BBC World Service on FM and online and on television will not be affected and no language services are closing.

Shortwave and medium wave transmissions in English will be reduced to a minimum of 6 hours in total each day. This will generally be two periods of between 2 and 4 hours each, usually at peak listening times in the morning and evening to help minimise disruption. The changes will have less impact in regions where World Service is increasingly accessed via partner stations or online and in countries where FM is widely available.

Steve Titherington, Senior Commissioning Editor for BBC World Service, said: "We know that increasing numbers of people are accessing World Service on FM, online, and television. For those who can't access these platforms, we've tried to ensure that they will continue to hear to the best the World Service has to offer at times of the day when they are most likely to tune in."

"As part of the new schedule we will endeavour to have a mixture of news, current affairs and a mix of programmes covering the arts, science and human interest stories," says Titherington.

A new programme, The Newsroom, will replace World Briefing. Outlook will be extended to an hour-long format and offer a new approach to covering arts, music and humanities following the closure of The Strand. Every Friday, The 5th Floor will run in the prominent Outlook time slot offering a review of the pick of the BBC's 27 language services programming - in English.

The estimated loss of listeners to Global English on shortwave will be around 1.5m listeners, equivalent to 1.3% of the total Global News English audience on any platform.

BBC Arabic audiences are estimated to reduce by 800,000 as a result of the closure of shortwave broadcasts.

In the Arabic speaking world, the World Service broadcasts on a network of FM relays, a 24-hour television channel and the <http://bbcarabic.com> website.

Shortwave services to Sudan are not affected as the shortwave service is currently the most viable method of broadcasting to this large region. PR (via Mike Terry, dxldyg via DXLD)

Budget cuts announced in October 12 are now kicking in. Shortwave utilization will now run 6-8 hours / day max, primarily in the mornings and evenings. The BBC figures it will lose 1.5 million listeners (per week? PR piece doesn't say) as a consequence of the reduction of SW.

Also, a new English language program, "The Newsroom", replaces World Briefing; "The Strand" will disappear as a separate program and will be folded into "Outlook". On Fridays "Outlook" will be replaced with "The Fifth Floor", a sampling of content from across the 27 BBCWS language services. Details: [as above]
(Richard Cuff / Allentown, PA USA, Swprograms mailing list via DXLD)

BBC suspends Sri Lankan broadcasts: see SRI LANKA [and non]!

** U K. BBC A13 by language, then time, then frequency

freq	start	stop	days	site	pwr	brg	lang	cirafs
639	0300	0700	smtwtfs	CYPRUS	500	180	Arabic	38E
720	0300	0700	smtwtfs	CYPRUS	500	110	Arabic	39W
9425	0300	0400	smtwtfs	DHABAYYA	250	255	Arabic	47E,48NW
5875	0300	0400	smtwtfs	WOOFFERTON	250	140	Arabic	47E,48NW
11820	0400	0500	smtwtfs	WOOFFERTON	300	137	Arabic	47E,48NW
17880	0500	0600	smtwtfs	A SEELA	250	260	Arabic	47E,48NW
17880	0600	0700	smtwtfs	A SEELA	250	260	Arabic	47E,48NW
702	1500	2100	smtwtfs	A SEELA	800	315	Arabic	39E
720	1700	2100	smtwtfs	CYPRUS	500	110	Arabic	39W
15480	1700	2000	smtwtfs	DHABAYYA	250	255	Arabic	47E,48NW
639	1800	2100	smtwtfs	CYPRUS	500	180	Arabic	38E
15480	2000	2100	smtwtfs	A SEELA	250	260	Arabic	47E,48NW
11700	0030	0100	smtwtfs	KRANJI	250	330	Bengali	41NE
15310	0030	0100	smtwtfs	KRANJI	100	315	Bengali	41NE
9810	0030	0100	smtwtfs	NAKHON SAWAN	250	305	Bengali	41NE
17615	0130	0200	smtwtfs	KRANJI	250	315	Bengali	41NE
9835	0130	0200	smtwtfs	NAKHON SAWAN	250	305	Bengali	41NE
11730	1330	1400	smtwtfs	KRANJI	100	340	Bengali	41NE
7565	1330	1400	smtwtfs	NAKHON SAWAN	250	325	Bengali	41NE
5855	1330	1400	smtwtfs	NAKHON SAWAN	250	305	Bengali	41NE
9610	1400	1500	s.t....	DHABAYYA	250	90	Bengali	41NE
9410	1400	1500	s.t....	KRANJI	250	315	Bengali	41NE
11730	1400	1500	s.t....	NAKHON SAWAN	250	305	Bengali	41NE
7465	1630	1700	smtwtfs	KRANJI	100	340	Bengali	41NE

9540	1630	1700	smtwtfs	KRANJI	250	340	Bengali	41NE
5875	1630	1700	smtwtfs	NAKHON SAWAN	250	325	Bengali	41NE
9810	0000	0030	smtwtfs	KRANJI	250	340	Burmese	49NW
11700	0000	0030	smtwtfs	KRANJI	250	330	Burmese	49NW
5875	0000	0030	smtwtfs	NAKHON SAWAN	250	325	Burmese	49NW
11995	0200	0230	smtwtfs	KRANJI	250	340	Burmese	49NW
12095	0200	0230	smtwtfs	NAKHON SAWAN	250	355	Burmese	49NW
9410	0200	0230	smtwtfs	NAKHON SAWAN	250	325	Burmese	49NW
7465	1345	1430	smtwtfs	KRANJI	100	340	Burmese	49NW
9585	1345	1430	smtwtfs	KRANJI	100	340	Burmese	49NW
11945	1345	1430	smtwtfs	KRANJI	100	330	Burmese	49NW
7465	1430	1500	.mtwtf.	KRANJI	100	340	Burmese	49NW
9585	1430	1500	.mtwtf.	KRANJI	100	340	Burmese	49NW
11945	1430	1500	.mtwtf.	KRANJI	100	330	Burmese	49NW
5915	0030	0100	smtwtfs	A SEELA	250	35	Dari	40E,41NW
7445	0030	0100	smtwtfs	A SEELA	250	35	Dari	40E,41NW
1413	0030	0100	smtwtfs	A SEELA	800	35	Dari	40E,41NW
6195	0130	0200	smtwtfs	A SEELA	250	35	Dari	40E,41NW
7445	0130	0200	smtwtfs	A SEELA	250	35	Dari	40E,41NW
11790	0130	0200	smtwtfs	EREVAN	100	125	Dari	40E,41NW
9895	0230	0300	smtwtfs	A SEELA	250	35	Dari	40E,41NW
7445	0230	0300	smtwtfs	A SEELA	250	35	Dari	40E,41NW
11790	0230	0300	smtwtfs	WOOFFERTON	250	92	Dari	40E,41NW
15310	0930	1030	smtwtfs	A SEELA	250	45	Dari	40E,41NW
17870	0930	1030	smtwtfs	A SEELA	250	35	Dari	40E,41NW
13660	1400	1500	smtwtfs	A SEELA	250	45	Dari	40E,41NW
9810	1400	1500	smtwtfs	A SEELA	250	35	Dari	40E,41NW
7425	1700	1730	smtwtfs	A SEELA	250	35	Dari	40E,41NW
5875	1700	1730	smtwtfs	NAKHON SAWAN	250	300	Dari	40E,41NW
13660	1700	1730	smtwtfs	WOOFFERTON	250	75	Dari	40E,41NW
1413	1800	1900	smtwtfs	A SEELA	800	80	Dari	41NW
9795	1800	1900	smtwtfs	DHABAYYA	250	45	Dari	40E,41NW
7425	1800	1900	smtwtfs	NAKHON SAWAN	250	305	Dari	40E,41NW
5875	1800	1900	smtwtfs	NAKHON SAWAN	250	300	Dari	40E,41NW
11750	0000	0100	smtwtfs	KRANJI	100	340	English	49W
15335	0000	0100	smtwtfs	KRANJI	100	13	English	43SE,44SW,49E
17685	0000	0100	smtwtfs	NAKHON SAWAN	250	25	English	43E,44
15755	0000	0100	smtwtfs	NAKHON SAWAN	250	25	English	43E,44
5970	0000	0100	smtwtfs	A SEELA	250	63	English	41,42SW
12095	0000	0200	smtwtfs	NAKHON SAWAN	250	275	English	41,42SW
9410	0000	0100	smtwtfs	NAKHON SAWAN	250	290	English	41,42SW
15310	0100	0200	smtwtfs	NAKHON SAWAN	250	290	English	41,42SW
15310	0200	0300	smtwtfs	A SEELA	250	63	English	41,42SW
17790	0200	0300	smtwtfs	NAKHON SAWAN	250	290	English	41,42SW
1413	0200	0230	smtwtfs	A SEELA	800	80	English	41NW

1413	0300	0400	smtwtfs	A SEELA 800 350 English 39NE,40
12095	0300	0400	smtwtfs	A SEELA 250 335 English 30S,39NE,40
15365	0300	0400	smtwtfs	KIGALI DW HF 250 30 English 30S,39NE,40
3955	0400	0500	smtwtfs	WOOFFERTON 250 114 English 27S,28W,37N
15420	0400	0800	smtwtfs	SEYCHELLES 250 270 English 48SW,53NW
11945	0400	0600	smtwtfs	SEYCHELLES 250 285 English 48SW,53NW
12095	0400	0500	smtwtfs	A SEELA 250 335 English 30S,39NE,40
15365	0400	0500	smtwtfs	A SEELA 250 10 English 30S,39NE,40
3955	0500	0600	smtwtfs	WOOFFERTON 250 114 English 27S,28W,37N
6190	0500	0600	smtwtfs	MEYERTON 100 15 English 52SE,53SW,57N
3255	0500	0600	smtwtfs	MEYERTON 100 0 English 52SE,53SW,57N
6005	0500	0700	smtwtfs	ASCENSION 250 27 English 46
7355	0500	0600	smtwtfs	ASCENSION 250 102 English 47SW,52
5875	0500	0600	smtwtfs	ASCENSION 250 65 English 47SW,52
7325	0600	0700	smtwtfs	MOOSBRUNN 100 300 English 27S,28W,37N
5875	0600	0700	smtwtfs	WOOFFERTON 250 114 English 27S,28W,37N
6190	0600	0800	smtwtfs	MEYERTON 100 0 English 52SE,53SW,57N
9860	0600	0700	smtwtfs	MEYERTON 100 15 English 52SE,53SW,57N
17640	0600	0800	smtwtfs	SEYCHELLES 250 280 English 48SW,53NW
9410	0600	0700	smtwtfs	ASCENSION 250 65 English 46
12095	0600	0700	smtwtfs	MEYERTON 250 328 English 47SW,52
15105	0600	0700	smtwtfs	WOOFFERTON 250 158 English 47SW,52
7325	0700	0800	smtwtfs	MOOSBRUNN 100 300 English 27S,28W,37N
5875	0700	0800	smtwtfs	WOOFFERTON 250 114 English 27S,28W,37N
12095	0700	0800	smtwtfs	MEYERTON 100 15 English 52SE,53SW,57N
15400	0700	0800	smtwtfs	ASCENSION 250 65 English 47SW,52
13660	0700	0800	smtwtfs	ASCENSION 250 55 English 46
11770	0700	0800	smtwtfs	ASCENSION 250 27 English 46
17830	0700	0800	smtwtfs	MEYERTON 250 328 English 47SW,52
1323	0700	0900	smtwtfs	CYPRUS 200 150 English 38E,39W
720	0700	0900	smtwtfs	CYPRUS 500 110 English 39W
9740	1000	1400	smtwtfs	KRANJI 125 135 English 51W,54
6195	1000	1400	smtwtfs	KRANJI 125 90 English 51W,54
9740	1000	1400	smtwtfs	KRANJI 125 13 English 43SE,44SW,49E
6195	1000	1400	smtwtfs	KRANJI 125 0 English 49W
15285	1000	1100	smtwtfs	KRANJI 100 13 English 43SE,44SW,49E
17760	1000	1200	smtwtfs	NAKHON SAWAN 250 25 English 43E,44
21660	1000	1100	smtwtfs	NAKHON SAWAN 250 20 English 43E,44
9740	1000	1100	smtwtfs	NAKHON SAWAN 250 0 English 49W
15285	1100	1200	smtwtfs	KRANJI 100 13 English 43E,44
5875	1200	1400	smtwtfs	NAKHON SAWAN 250 25 English 43E,44
11750	1200	1300	smtwtfs	NAKHON SAWAN 250 25 English 43E,44
1413	1300	1400	smtwtfs	A SEELA 800 80 English 41NW
17790	1300	1400	smtwtfs	A SEELA 250 63 English 41,42SW
15310	1300	1400	smtwtfs	NAKHON SAWAN 250 290 English 41,42SW
5845	1400	1800	smtwtfs	NAKHON SAWAN 100 290 English 41
15310	1400	1500	smtwtfs	A SEELA 250 63 English 41,42SW
11890	1400	1500	smtwtfs	NAKHON SAWAN 250 290 English 41,42SW

1413	1430	1500	smtwtfs	A SEELA 800 80 English 41NW
12095	1500	2000	smtwtfs	SEYCHELLES 250 280 English 48SW,53NW
15420	1500	2000	smtwtfs	SEYCHELLES 250 270 English 48SW,53NW
11890	1500	1700	smtwtfs	KRANJI 100 315 English 41,42SW
7565	1500	1700	smtwtfs	NAKHON SAWAN 250 280 English 41,42SW
9410	1500	1800	smtwtfs	A SEELA 250 10 English 30S,39NE,40
11675	1500	1700	smtwtfs	A SEELA 250 335 English 30S,39NE,40
17640	1600	1700	smtwtfs	ASCENSION 250 114 English 52SE,53SW,57N
6190	1600	2000	smtwtfs	MEYERTON 100 15 English 52SE,53SW,57N
3255	1600	2000	smtwtfs	MEYERTON 100 0 English 52SE,53SW,57N
17830	1600	1700	smtwtfs	ASCENSION 250 85 English 47SW,52
1413	1630	1700	smtwtfs	A SEELA 800 80 English 41NW
15400	1700	2100	smtwtfs	ASCENSION 250 27 English 46
17830	1700	1800	smtwtfs	ASCENSION 250 65 English 47SW,52
17795	1700	1800	smtwtfs	ASCENSION 250 55 English 46
1413	1700	1800	smtwtfs	A SEELA 800 80 English 41NW
6195	1700	1900	smtwtfs	A SEELA 250 335 English 30S,39NE,40
11810	1800	2100	smtwtfs	ASCENSION 250 65 English 47SW,52
17795	1800	2000	smtwtfs	WOOFFERTON 250 170 English 46
7375	1800	1900	smtwtfs	A SEELA 250 10 English 30S,39NE,40
1413	1900	2100	smtwtfs	A SEELA 800 350 English 39NE,40
9915	2000	2100	smtwtfs	WOOFFERTON 250 170 English 46
9915	2100	2200	.mtwtf.	ASCENSION 250 65 English 46
11810	2100	2200	.mtwtf.	ASCENSION 250 65 English 47SW,52
12095	2100	2200	.mtwtf.	ASCENSION 250 27 English 46
1323	2100	2300	smtwtfs	CYPRUS 200 150 English 38E,39W
720	2100	2300	smtwtfs	CYPRUS 500 110 English 39W
3915	2300	0000	smtwtfs	KRANJI 100 160 English 51W,54
11850	2300	0000	smtwtfs	KRANJI 100 90 English 51W,54
9740	2300	0100	smtwtfs	KRANJI 125 135 English 51W,54
6195	2300	0100	smtwtfs	KRANJI 125 90 English 51W,54
9740	2300	0100	smtwtfs	KRANJI 125 13 English 43SE,44SW,49E
6195	2300	0100	smtwtfs	KRANJI 125 0 English 49W
7490	2300	0000	smtwtfs	NAKHON SAWAN 250 45 English 43SE,44SW,49E
9890	2300	0000	smtwtfs	NAKHON SAWAN 250 25 English 43E,44
12010	2300	0000	smtwtfs	NAKHON SAWAN 250 20 English 43E,44

1413	0230	0300	smtwtfs	A SEELA 800 350 Farsi 39NE,40
7250	0230	0330	smtwtfs	DHABAYYA 250 45 Farsi 40
11855	0230	0330	smtwtfs	GRIGORIOPOL 300 116 Farsi 40
13825	0230	0330	smtwtfs	TASHKENT HF 100 236 Farsi 40
9500	0230	0330	smtwtfs	WOOFFERTON 250 90 Farsi 40
13825	0330	0430	smtwtfs	A SEELA 250 350 Farsi 40
11855	0330	0430	smtwtfs	DHABAYYA 250 35 Farsi 40
15310	0330	0430	smtwtfs	TASHKENT HF 100 236 Farsi 40
6195	1500	1600	smtwtfs	DHABAYYA 250 335 Farsi 40
15310	1500	1600	smtwtfs	NAKHON SAWAN 250 300 Farsi 40

7305	0430	0500	smtwtfs	ASCENSION	250	85	French	47S,52N,52SE
6135	0430	0500	smtwtfs	ASCENSION	250	70	French	47S,52N,52SE
17640	0430	0500	smtwtfs	DHABAYYA	250	190	French	53S
9655	0600	0629	smtwtfs	ASCENSION	250	70	French	47S,52N,52SE
7305	0600	0629	smtwtfs	ASCENSION	250	27	French	46
9915	0600	0629	smtwtfs	WOOFFERTON	250	180	French	37
11865	0600	0629	smtwtfs	WOOFFERTON	250	170	French	37
11800	0700	0729	smtwtfs	ASCENSION	250	27	French	46
17880	0700	0729	smtwtfs	MEYERTON	250	342	French	47S,52N,52SE
21630	1200	1230	smtwtfs	ASCENSION	250	85	French	47S,52N,52SE
17640	1200	1230	smtwtfs	ASCENSION	250	27	French	46
17780	1200	1230	smtwtfs	WOOFFERTON	250	170	French	37
11785	1800	1830	smtwtfs	ASCENSION	250	85	French	47S,52N,52SE
15105	1800	1830	smtwtfs	ASCENSION	250	65	French	46
17885	1800	1830	smtwtfs	ASCENSION	250	27	French	46
6095	1800	1830	smtwtfs	MEYERTON	250	76	French	53S
15180	1800	1830	smtwtfs	WOOFFERTON	250	170	French	37

6135	0529	0600	smtwtfs	ASCENSION	250	65	Hausa	46SE
7305	0529	0600	smtwtfs	ASCENSION	250	55	Hausa	46SE
9440	0529	0600	smtwtfs	WOOFFERTON	250	170	Hausa	46SE
11800	0629	0700	smtwtfs	ASCENSION	250	55	Hausa	46SE
9440	0629	0700	smtwtfs	ASCENSION	250	55	Hausa	46SE
15515	0629	0700	smtwtfs	WOOFFERTON	250	165	Hausa	46SE
17780	1330	1600	.....s	ASCENSION	250	65	Hausa	46SE
21630	1400	1430	smtwtf.	ASCENSION	250	65	Hausa	46SE
21630	1400	1430	.....s	ASCENSION	250	65	Hausa	46SE
17780	1400	1430	smtwtf.	ASCENSION	250	55	Hausa	46SE
17640	1400	1430	smtwtf.	KIGALI DW HF	250	310	Hausa	46SE
17640	1400	1430	.....s	KIGALI DW HF	250	310	Hausa	46SE
15105	1930	2000	smtwtfs	ASCENSION	250	65	Hausa	46SE
11660	1930	2000	smtwtfs	ASCENSION	250	55	Hausa	46SE
17885	1930	2000	smtwtfs	ASCENSION	250	55	Hausa	46SE
15105	2000	2030	.....f.	ASCENSION	250	65	Hausa	46SE
11660	2000	2030	.....f.	ASCENSION	250	55	Hausa	46SE
17885	2000	2030	.....f.	ASCENSION	250	55	Hausa	46SE

1413	0100	0130	smtwtfs	A SEELA	800	80	Hindi	41NW
9410	0100	0130	smtwtfs	A SEELA	250	63	Hindi	41N,42SW
9915	0100	0130	smtwtfs	EREVAN	300	100	Hindi	41N,42SW
11995	0100	0130	smtwtfs	KRANJI	250	315	Hindi	41N,42SW
15510	0100	0130	smtwtfs	NAKHON SAWAN	250	305	Hindi	41N,42SW
12095	0230	0300	smtwtfs	DHABAYYA	250	70	Hindi	41N,42SW
17870	0230	0300	smtwtfs	KRANJI	250	315	Hindi	41N,42SW
15510	0230	0300	smtwtfs	NAKHON SAWAN	250	305	Hindi	41N,42SW
17510	0230	0300	smtwtfs	NAKHON SAWAN	250	300	Hindi	41N,42SW
1413	1400	1430	smtwtfs	A SEELA	800	80	Hindi	41NW
11795	1400	1430	smtwtfs	KRANJI	250	315	Hindi	41N,42SW

9510 1400 1430 smtwtf NAKHON SAWAN 250 300 Hindi 41N,42SW
 7565 1400 1430 smtwtf NAKHON SAWAN 250 280 Hindi 41N,42SW
 9395 1400 1430 smtwtf TASHKENT HF 100 131 Hindi 41N,42SW
 1413 1600 1630 smtwtf A SEELA 800 80 Hindi 41NW
 9700 1600 1630 smtwtf A SEELA 250 63 Hindi 41N,42SW
 15710 1600 1630 smtwtf DHABAYYA 250 85 Hindi 41N,42SW
 9605 1600 1630 smtwtf KRANJI 250 315 Hindi 41N,42SW
 7600 1600 1630 smtwtf NAKHON SAWAN 250 300 Hindi 41N,42SW

15490 0500 0600s MEYERTON 250 7 KIWANDA/KRUNDI 48SW,53NW
 12095 0500 0600s MEYERTON 250 7 KIWANDA/KRUNDI 48SW,53NW
 15490 0529 0600 s..... MEYERTON 250 7 KIWANDA/KRUNDI 48SW,53NW
 12095 0529 0600 s..... MEYERTON 250 7 KIWANDA/KRUNDI 48SW,53NW
 15790 1630 1700 .mtwtf. MEYERTON 250 7 KIWANDA/KRUNDI 48SW,53NW
 11860 1630 1700 .mtwtf. MEYERTON 100 5 KIWANDA/KRUNDI 48SW,53NW
 9755 1830 1900 .mtwtf. A SEELA 250 230 KIWANDA/KRUNDI 48SW,53NW
 11705 1830 1900 .mtwtf. DHABAYYA 500 230 KIWANDA/KRUNDI 48SW,53NW
 15790 1830 1900 .mtwtf. MEYERTON 250 7 KIWANDA/KRUNDI 48SW,53NW

7445 0100 0130 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 6195 0100 0130 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 11790 0100 0130 smtwtf EREVAN 100 125 PASHTO 40E,41NW
 9895 0200 0230 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 7445 0200 0230 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 11790 0200 0230 smtwtf WOOFERTON 250 92 PASHTO 40E,41NW
 9895 0300 0330 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 11790 0300 0330 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 15310 0300 0330 smtwtf EREVAN 300 100 PASHTO 40E,41NW
 15310 0830 0900 smtwtf A SEELA 250 45 PASHTO 40E,41NW
 17870 0830 0900 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 15310 0900 0930 smtwtf A SEELA 250 45 PASHTO 40E,41NW
 17870 0900 0930 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 15310 1030 1130 smtwtf A SEELA 250 45 PASHTO 40E,41NW
 17870 1030 1130 smtwtf NAKHON SAWAN 250 300 PASHTO 40E,41NW
 13660 1500 1600 smtwtf A SEELA 250 45 PASHTO 40E,41NW
 9810 1500 1600 smtwtf KRANJI 250 315 PASHTO 40E,41NW
 7425 1730 1800 smtwtf A SEELA 250 35 PASHTO 40E,41NW
 5875 1730 1800 smtwtf NAKHON SAWAN 250 300 PASHTO 40E,41NW
 13660 1730 1800 smtwtf WOOFERTON 250 75 PASHTO 40E,41NW

9500 1630 1700 smtwtf KRANJI 100 270 SINHALA 41SE
 13830 1630 1700 smtwtf NAKHON SAWAN 250 255 SINHALA 41SE
 15690 1630 1700 smtwtf WOOFERTON 250 92 SINHALA 41SE
 [WORLD OF RADIO 1662]

11995 0400 0430 smtwtf ASCENSION 250 85 SOMALI 48
 15490 0400 0430 smtwtf MADAGASCAR 250 0 SOMALI 48
 15530 1100 1130 smtwtf DHABAYYA 250 205 SOMALI 48

17780 1100 1130 smtwtfS SEYCHELLES 250 295 Somali 48
 21470 1300 1400s DHABAYYA 250 225 Somali 48
 17830 1300 1400s SEYCHELLES 250 295 Somali 48
 15420 1300 1400s SEYCHELLES 250 285 Somali 48
 21470 1400 1500s DHABAYYA 250 225 Somali 48
 21470 1400 1500 smtwtf. DHABAYYA 250 225 Somali 48
 17830 1400 1600s MEYERTON 250 32 Somali 48
 17830 1400 1500 smtwtf. SEYCHELLES 250 295 Somali 48
 15420 1400 1500 smtwtf. SEYCHELLES 250 285 Somali 48
 21470 1500 1600s ASCENSION 250 85 Somali 48
 6005 1800 1830 smtwtfS DHABAYYA 250 215 Somali 48
 9410 1800 1830 smtwtfS MEYERTON 250 32 Somali 48
 11845 1800 1830 smtwtfS MEYERTON 100 30 Somali 48

9500 1545 1615 smtwtfS KRANJI 100 270 Tamil 41SE
 13830 1545 1615 smtwtfS NAKHON SAWAN 250 255 Tamil 41SE
 15690 1545 1615 smtwtfS WOUFFERTON 250 92 Tamil 41SE
 [WORLD OF RADIO 1662]

1413 0130 0200 smtwtfS A SEELA 800 80 Urdu 41NW
 7395 0130 0200 smtwtfS A SEELA 250 63 Urdu 41NW
 9410 0130 0200 smtwtfS DHABAYYA 250 60 Urdu 41NW
 9915 0130 0200 smtwtfS EREVAN 300 100 Urdu 41NW
 15510 0130 0200 smtwtfS NAKHON SAWAN 250 305 Urdu 41NW
 13580 0300 0330 smtwtfS DHABAYYA 250 70 Urdu 41NW
 11995 0300 0330 smtwtfS EREVAN 300 100 Urdu 41NW
 15510 0300 0330 smtwtfS NAKHON SAWAN 250 305 Urdu 41NW
 17510 0300 0330 smtwtfS NAKHON SAWAN 250 300 Urdu 41NW
 1413 1500 1600 smtwtfS A SEELA 800 80 Urdu 41NW
 12075 1500 1600 smtwtfS DHABAYYA 250 60 Urdu 41NW
 17790 1500 1600 smtwtfS KRANJI 100 315 Urdu 41NW
 9510 1500 1600 smtwtfS NAKHON SAWAN 250 300 Urdu 41NW
 11730 1500 1545 smtwtfS NAKHON SAWAN 250 305 Urdu 41NW

17510 1300 1330 smtwtfS A SEELA 250 10 Uzbek 30S,40NE
 15330 1300 1330 smtwtfS A SEELA 250 10 Uzbek 30S,40NE
 17735 1300 1330 smtwtfS NAKHON SAWAN 250 325 Uzbek 30S,40NE
 (As per schedule received on 15th March 2013)
 --- (via Alokesh Gupta, New Delhi, March 24, dxldyg via DXLD)

BBC World Service Q&A --- BBC World Service's Senior Commissioning
 editor, Steve Titherington hosted a Facebook Q&A today (Wednesday) at
 1430 GMT for 40 minutes. The many questions posted to Facebook and his
 answers are here
<https://www.facebook.com/bbcworldservice>
 (Mike Terry, March 27, dxldyg via DXLD)

** U S A. The Buzz is Back! Where was it? --- A lot has happened since

the last edition of The Buzz. For one, VOA is now broadcasting in two new languages. Yup, we're up to 45 with the addition of Bambara and Songhai, which are spoken in Mali. The Buzz also has a new format and it's linked with the Public Relations website. It's still a work in progress, but as we fine tune we'll keep bringing you news about the people and programs that are VOA. To kick things off we've rounded up some of the most recent highlights. . .

<http://www.insidevoa.com/section/voa-highlights/2387.html>

(VOA PR via DXLD)

** U S A [and non]. 15580, Friday March 22 at *2000-2100*, VOA with 'The African Beat' excellent signal, since this hour only is eastward from Greenville, which radiates incredibly westward; before 2000 and after 2100, much weaker signals via Botswana. Believe it or not, I take my nap during most of the hour to this hyper music on phones, overcoming TV set sound not far away; at 2057 I am startled to hear the closing announcement, ``As the US celebrates its independence today``, making me suspect it's a rerun from some July 4 --- are any new TAB shows really being produced?

11750, Saturday March 23 at 1257, VOA ending 'Press Conference USA', good signal, but a bit of a frying noise, and flutter. It's Tinang, PHILIPPINES at 21 degrees USward, but on Sat & Sun only stays on another hour with 'Jazz America' but swung to 283 degrees, unchecked but probably mixing with Cuba after 1300

12005, March 25 at 0104, fair signal with flutter in SW Asian language. It's Pashto from Deewa Radio via Iranawila, SRI LANKA, 340 degrees at 01-04 per Aoki and HFCC.

But in a week with A-13, 12005 will be taken over by Voice of VIETNAM's N American service . . . See VIETNAM [non]

7530, March 27 at 1357 tone test; 1358 full ``Voice of America, Washington, DC, signing-on`` routine with Yankee Doodle Dandy, then repeated at 1359. 1400 heard no announcement in English of language to follow, just music and into that language which is: Tibetan, per HFCC this hour only, 250 kW, 275 degrees from Tinang, PHILIPPINES; poor, and soon fading. No jamming audible (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. VOA Radiogram - March 23/24 ---

<http://voaradiogram.net/post/45846389802/modes-menu-for-voa-radiogram-march-23-24-2013>

VOA Radiogram is a Voice of America program experimenting with digital text and images via shortwave broadcasting. VOA Radiogram transmission schedule

(all days and times UT):

Sat 1600-1630 17860 kHz

Sun 0230-0300 5745 kHz

Sun 1300-1330 6095 kHz

Sun 1930-2000 15670 kHz

All via the Edward R. Murrow transmitting station in North Carolina.

To decode the digital text and images transmitted on VOA Radiogram, download Fldigi, Flmsg and Flamp from <http://w1hkj.com>

Modes menu for VOA Radiogram, March 23/24, 2013 - VOA Radiogram for March 23/24 will be similar to the past...

<http://t.co/ah33IhQALQ@VOARadiogram>

VOA Radiogram for March 23/24 will be similar to the past weekend's program in that it features the PSK modes. Much of Kim's script will be the same. In this weekend's broadcast, however, only one mode at a time will be transmitted. This should improve the signal-to-noise ratio and ability to decode each mode.

Each will be centered on 1500 Hz:

1. BPSK31 (1:00)
2. PSK63F (1:00)
3. BPSK63 (1:00)
4. PSKR125 (1:00)
5. PSKR250 (1:00)
6. PSKR500 (1:00)
7. PSKR1000 (1:00)
8. PSKR125 (3:45) Plain text
9. PSKR250 (2:40) Flmsg* formatted (with html)
10. MFSK32 (0:55) Image

*Install Flmsg. Then, in Fldigi: Configure > Misc > NBEMS > under Reception of flmsg files click Open with flmsg and Open in browser, and below that state where your Flmsg file is located.

If decoding performance is still not satisfactory, VOA Radiogram in future weekends will feature more robust modes, such as MFSK, MT63, and Olivia (via Mike Terry, dxldyg via DXLD)

[non]. Big signal tonight from The Mighty KBC on 7375 kHz. Promising for digital tests and tricks:

<http://voaradiogram.net/post/45980794410/on-the-mighty-kbc-olivia-8-1000-versus-suzy-bogguss>

Then later at 0230 UTC, 9:30pm EDT, tune in VOA Radiogram on 5745 kHz:

<http://voaradiogram.net/post/45846389802/official-launch-of-voa-radiogram-teaching-old>

(Kim Elliott, 0024 UT March 24, dxldyg via DX LISTENING DIGEST)

This is a signal that screams for synchronous detection. Sounds much better on my Drake SW8 than on my more expensive Yaesu FT897D. LSB slightly better than USB (Kim Elliott, 0042 UT, ibid.)

VOA Radiogram soon on 5745 (with company) --- Hearing a big carrier on 5745 getting ready for the 0230 VOA Radiogram. And some hum. But what's with the jammer in the background? (Kim Elliott, 0229 UT March 24, ibid.)

That's what you get for picking a frequency that is used at ANY other time by Radio Marti. The DentroCuban Jamming Command isn't too careful about when they turn them on and off (Glenn Hauser, ibid.)

USoFA: 5745, VoA RadioGram with strong carrier on at 0215, and the programme began with music, English audio IDs and the intro below. There were 9 separate 'segments' as noted below, the slower modes working well, the faster ones not working well at all either because my hardware is not fast enough to manage, or because SW just doesn't support such fast data rates well.

The digital text was lots of NASA and space-related news items, and it was punctuated with audio of Kim Andrew Elliot explaining digital modes. No noise in the second half of the transmission so either this was unrelated to the transmitters, or they figured it out and fixed it. In any event, here's a run-down of what was heard/decoded:

1. BPSK 31 seemed to work just fine.
 2. QPSK didn't work at all, I fell back to BPSK at the end, which actually seemed to be working better than in the first segment.
 3. PSK63F seemed to work pretty well.
 4. The PSK R modes apparently 'announce' themselves in the decode!:
Before RSID: <<2013-03-17T02:41Z PSK-125R @ 5745000+1500>>
 5. a bit faster, but -250 seemed to work OK too; it may take some playing
 6. BPSK 250 seemed to ALMOST decode.
 7. My software version couldn't decode this mode
 8. The PSK63F mode was frustratingly close to working -- pretty good but not 'perfect'.
 9. Note the slant issues. I have CAREFULLY aligned my software to WWV as described in the FLDIGI manual ... transmitter issue, software issue, or did the techs just not align the sending software side?
- Heard well, 554+4+4+ 0230-0300 17/Mar
(Kenneth Vito Zichi, MI, MARE Tipsheet March 22 via DXLD)

** U S A [and non]. Final B-12 changes for Voice of America:
2330-2400 5890 GB 250 kW / 164 deg SoAm Spanish Mon-Fri, x 0030-0100

2330-2400 9885 GB 250 kW / 172 deg SoAm Spanish Mon-Fri, x 0030-0100
 2330-2400 12000 GB 250 kW / 184 deg SoAm Spanish Mon-Fri, x 0030-0100
 0000-0100 5890 GB 250 kW / 164 deg SoAm Spanish Tue-Sat, x 0100-0200
 0000-0100 9885 GB 250 kW / 172 deg SoAm Spanish Tue-Sat, x 0100-0200
 0000-0100 12000 GB 250 kW / 184 deg SoAm Spanish Tue-Sat, x 0100-0200
 0130-0230 7400 WER 250 kW / 090 deg WeAs Persian, x 0230-0330 7360 NF
 0130-0230 9445 BIB 100 kW / 105 deg WeAs Persian, x 0230-0330 same
 0130-0230 9495 BIB 100 kW / 105 deg WeAs Persian, x 0230-0330 same
 0600-0700 9885 SAO 100 kW / 124 deg CeAf English, x MEY
 1200-1300 5745 GB 250 kW / 174 deg SoAm Spanish, x 1300-1400 same
 1200-1300 9885 GB 250 kW / 183 deg SoAm Spanish, x 1300-1400 same
 1200-1300 13750 GB 250 kW / 168 deg SoAm Spanish, x 1300-1400 same
 1400-1500 15580 BOT 100 kW / 350 deg WCAf English, x MEY
 1400-1500 17525 SAO 100 kW / 088 deg EaAf English, NF ex 17530
 1530-1700 6080 BOT 100 kW / 350 deg WCAf English, x MEY
 1600-1630 12080 LAM 100 kW / 132 deg SoAf Kirundi Sat, ex MEY
 1630-1700 9880 GB 250 kW / 094 deg CeAf Portuguese Fri, ex MEY
 1800-1900 9860 BOT 100 kW / 010 deg EaAf Amharic, ex MEY
 2030-2100 11860 BOT 100 kW / 350 deg CeAf Hausa Mon-Fri, ex MEY
 2130-2200 7325 WOF 300 kW / 180 deg WeAf Bambara Mon-Fri, ex SAO (DX
 RE MIX NEWS #773 from Georgi Bancov and Ivo Ivanov, March 21 via DXLD)

VOZ DE AMÉRICA REDUCE TRANSMISIONES

<http://www.voanoticias.com/content/voz-america-washington-latino-america-recortes/1629293.html>

La agencia de noticias del gobierno de Estados Unidos, Voz de América, anunció que eliminar algunas de sus transmisiones en banda corta y media debido a recortes de presupuesto.

Voz de América - Redacción, 26.03.2013

La Voz de América (VOA) reducir algunas de sus transmisiones de radio este fin de semana y eliminar sus emisiones en onda corta a las regiones donde el público tiene formas alternativas de recibir las noticias y la programación e información de la VOA.

Las reducciones en sus transmisiones permitirán a la VOA cumplir con los recortes presupuestarios requeridos por el llamado isecuestro y evitar así recortes de personal.

La nueva programación iniciará este próximo 1 de abril y se verán afectadas las transmisiones de onda corta transfronteriza y las transmisiones de onda media en Albania, Georgia, Irán y América Latina, además de las emisiones de inglés a Oriente Medio y Afganistán.

La VOA seguirá informando al público de estas regiones a través de una

variedad de plataformas incluyendo estaciones de radio y televisión afiliadas, vía satélite, programación en directo en su página de internet en español www.voanoticias.com, sitios móviles y en las redes sociales.

Se espera que las reducciones de transmisión tengan un impacto mínimo en la audiencia de América Latina, mientras que las transmisiones de onda corta y onda media continuarán con su programación habitual en regiones en las que atraen a un público considerable, o en países en donde es imposible encontrar otro tipo de señal.

Para más información contactar a Kyle King en la oficina de Relaciones Públicas de la VOA en Washington, al (202) 203-4959, o escriba a kking@voanews.com Para obtener más información acerca de la VOA visite nuestro sitio Web de Relaciones Públicas en <http://www.insidevoa.com> o en el sitio principal de nuestra página en español <http://www.voanoticias.com> (via Dino Bloise, FL, DXLD)

This was posted 3 minutes ago at [insidevoa](http://insidevoa.com):

March 26, 2013 Washington DC 10:13 PM
Media Relations / Press Releases

VOA REDUCING RADIO FREQUENCIES --- 26.03.2013

WASHINGTON, D.C. ó Voice of America is reducing some of its radio transmissions this weekend and ending shortwave broadcasts to regions where audiences have alternative ways of receiving VOA news and information programs.

The transmission reductions allow VOA to comply with budget cuts required by sequestration and to avoid furloughs of staff members.

When the new broadcast schedule goes into effect on March 31st, cross-border shortwave and medium wave broadcasts to Albania, Georgia, Iran and Latin America will be curtailed, along with English language broadcasts to the Middle East and Afghanistan.

VOA will continue to provide audiences in these regions with up-to-date news and information through a host of other platforms, including radio and TV affiliate stations, direct-to-home satellite, web streaming, mobile sites and social media.

The new broadcast schedule calls for reductions in some shortwave and medium wave radio broadcasts in Cantonese, Dari/Pashto, English to Africa, Khmer, Kurdish, Mandarin, Portuguese, Urdu and Vietnamese. Direct radio broadcasts to all of these regions will continue.

The transmission reductions are expected to have minimal impact on audience numbers since primary modes of delivery will remain. Shortwave and medium wave broadcasts will continue to regions where they draw substantial audiences, and to countries where other signal delivery is difficult or impossible.

For more information contact Kyle King at the VOA Public Relations office in Washington at (202) 203-4959, or write kking @ voanews.com For more information about VOA visit our Public Relations website at <http://www.insidevoa.com> or the main VOA news site at <http://www.voanews.com> (via gh, DXLD)

It seems that the Persian transmissions are already gone. The previous frequencies (0230-0330 7360, 7445, 9495) are now shown in HFCC with March 20 as end date.

And I understand that the "broadcasts to Albania" at least also, if not even primarily, aimed at Kosovo. They are of particular note for being the last remaining VOA broadcasts to Europe.

"Furloughs" -- is that a new euphemism for lay-offs? (Kai Ludwig, Germany, dxldyg via DXLD)

Furloughs under current terminology means temporary unpaid days off.

Looking at GB entries in HFCC A-13, most of the current transmissions are still in there, especially Spanish from VOA and Radio Marti. Perhaps that info planned for A-13 predates the latest cuts (Glenn Hauser, WORLD OF RADIO 1662, DX LISTENING DIGEST)

** U S A. MISSING IN ACTION: 25910/25990 Dallas-Fort Worth studio relays not logged since 7/12 & 25950 Denver studio relay not logged since 12/12. Studio relays below 25900 & above 26400 not logged in several years. Only 26110 KOVR-TV Sacramento has been logged in recent months (Harold Frodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, All logged by my ears, on my receiver, in real time! DX LISTENING DIGEST)

** U S A. WORLD OF RADIO 1661 monitoring: first airing confirmed Thursday March 21 at 2100.5 on WTWW-1 9479. Second airing confirmed on WWRB 3195 (no 5050), UT Friday March 22 at 0332, after Pastor Larry ``amen & amen`` Cain, Anderson SC runs a bit late, but no respectful pause. On webcast, last minute of WOR is consequently cut off at 0400.

BTW, the 3195 signal is noticeably weaker than the other WWRB, 3185 with Brother Scare. According to FCC B-12, 3185 is 45 degrees, 3195 is 46 degrees, both 100 kW, so they should be identical.

Next WOR airings: UT Saturday 0130v on Area 51 via WBCQ 5110v-CUSB;
Sat 0630 & 1430 on HLR 7265-USB; Sat 1500 on WRMI 9955; Sat 1730 on
WRN via SiriusXM 120; UT Sun 0400 on WTWW-1 5830.

WORLD OF RADIO 1661 monitoring: confirmed on Area 51 via WBCQ 5110v,
CUSB, starting at 0134 UT Saturday March 23; 'AWWW' seemingly ended at
0130 after Allan's prayer, but then an old clip of a call from Jay was
inserted. Next try after 1500 Saturday on WRMI 9955: inaudible here.
Last, best chance on SW will be UT Sunday 0400 on WTWW-1 5830 (Glenn
Hauser, OK, DX LISTENING DIGEST)

[non] WoR was aired via Hamburg Local Radio on Saturday at 1430 on
7265[CUSB] once again. Fair to good signal here (Noel Green, Northwest
England, March 25, DX LISTENING DIGEST)

WOR 1661 aired on 9930 March 23 at 2330 UT --- I heard it last night
[Saturday] preceded by oldies music and followed by sign-off. Must
have been WTWW-2. Excellent signal in northwest Louisiana on the
Grundig G3 Globe Traveler (Thomas Horton, LA, March 24, dxldyg via DX
LISTENING DIGEST)

9930, Saturday March 23 circa 2130, I notice that WTWW-2 is on again
with music. Later learned from Thomas Horton that WORLD OF RADIO
played at 2330, and from Ted Randall, that will be a regular spot from
now on. I checked 5085 circa 0100 March 24 and it was not on then.
More WORLD OF RADIO monitoring: confirmed at usual time on WTWW-1,
5830, UT Sunday March 24 at 0400+ (Glenn Hauser, OK, WORLD OF RADIO
1662, DX LISTENING DIGEST)

WORLD OF RADIO 1661 monitoring: as advised by Ted Randall, he had some
time to fill on WTWW-2 9930, so played WOR again at 2315 UT Sunday
March 24; very good here at midpoint 2330 check. This was presumably a
one-off, unlike the new Saturday 2330 airing. After 2345 back to
music, and circa 0000 March 25, change to 5085 for a while longer
including a preacher (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A [and non]. 12105, March 22 at 1420, WTWW has heavy CCI talk
in unID language, and fast SAH, which must be: RFA in Burmese via SRI
LANKA at 1230-1430 (with a beam change at 1330 from 57 to 49 degrees,
why?).

WTWW is already in Arabic, not Russian, contrary to Aoki which shows
the switch as at 1500. So does <http://wtww.us/pages/schedule.php> but
that's obviously based on CST, not CDT, much of it imaginary, or
rather projected? such as Yoruba, German and Chinese (Glenn Hauser,
OK, DX LISTENING DIGEST)

11995, March 25 at 0105, Pastor Pete Peters mixed with music, on the DX-398, i.e. 5830 WTWW-1 co-operating with another super-signal on 6165, RHC, adding up to 11995 due to receiver overload, *not* transmission, so 11995 is not to be reported as a real frequency for either.

12105, March 25 at 1403, WTWW English ID, Bible ``in 10 different languages`` [not yet!], going from Russian to Arabic, amid heavy QRM from Burmese, i.e. R. Free Asia via SRI LANKA overlapping until 1430. In A-13 the collision instead will be KSDA in Chinese until 1500. Can't FCC and IBB co-ordinate a bit better? Not if they are not living in the real world of SW reception far beyond designated targets (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A [and non]. 9980, March 21 at 1332, strange conditions, with Brother Scare via WWCR barely audible squeezed between much stronger 9975 KTWR in Chinese, and fax on the hi side.

9479, WTWW is sufficient but not a full-bore supersig as it usually is along with 9980 WWCR. US stations on higher bands are barely audible if at all, e.g. 12050 & 15610 WEWN, 13845 & 15825 WWCR.

Yet, WWV reports nothing unusual, at 12 and 15 UT:

``Geophysical Alert Message #

Solar-terrestrial indices for 20 March follow.

Solar flux 108 and estimated planetary A-index 9.

The estimated planetary K-index at 1200 UTC on 21 March was 1.

The estimated planetary K-index at 1500 UTC on 21 March was 1.

No space weather storms were observed for the past 24 hours.

No space weather storms are predicted for the next 24 hours.``

(Glenn Hauser, OK, DX LISTENING DIGEST) See also AUSTRALIA, BANGLADESH

** U S A. 5050-AM, March 24 at 0057, extra WWRB transmitter is on again, with gospel huxter about the papacy (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 9955, Sat March 23 at 1302, WRMI, Jeff White with `AWR Wavescan` talk about early Catalina radio; before 1300 I was hearing only wall-of-noise jamming, and now what's left of it is abating. Tsk2, now seven days a week at 12-13, it's only Brother Scare (Glenn Hauser, OK, DX LISTENING DIGEST)

On March 31st, 2013 PCJ Radio International will conduct a digital text through analogue shortwave broadcast of a radiogram.

Setting: MFSK32

Date: March 31, 2013

Time: 0227 UT

Frequency: 9955 kHz [hmmmm, must be WRMI --- gh]

This test will have a message in English and Spanish for listeners in Cuba and Latin America. Those in the South Eastern part of the United States will also be able to tune in and record the 2 to 3 minute transmission. If all goes as planned, the Cuban jamming against 9955 won't have any effect on the message we will transmit.

For information on the software needed to decode this radiogram visit the following URL:

<http://www.pcjmedia.com/component/content/article/1-latest-news/224-pcj-radio-radiogram-test-march-27-2013>

Regards, (Keith Perron, PCJ Radio International, DX LISTENING DIGEST)

** U S A. 15610, March 23 at 1339, as I am checking out Firedrake on 15605, no signal at all from WEWN, suspected off the air (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 6175, March 23 at 0527, another check of just what WHRI is doing to conclude the V of Vietnam relay: Vietnamese song is cut off at 0527:42 for the BaBcoCk music loop which is still skipping! And that is cut off at 0528 for WHR Bible giveaway promo; 0529 full ID with 'Onward Christian Soldiers' (Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST) See also VIETNAM [non]

DXing with Cumbre in English via WHRI was observed on 24 & 25 March from 0200 till 0230 on 5920 (Rumen Pankov, Sofia, Bulgaria, March 25, DX LISTENING DIGEST) = UT Sunday and Monday

** U S A [non]. USA A13 AWR Short Wave Broadcast Schedule.
[AUSTRIA/France/Germany/GUAM/Madagascar/SOUTH AFRICA/SRI LANKA/TAIWAN]

(2013-03-31 to 2013-10-26) first and last day of transmission.
All Regions - Version 02/2013-03-19/pub

Time sorted	Site	StartStop	Language	Service Area	kHz	kW	Days
	SDA	0000-0200	Mandarin	C/N-China	17880	100	1234567
	SDA	0000-0030	Burmese	Myanmar	17650	100	1234567
	SDA	0000-0200	Mandarin	NE-China	12025	100	1234567
	SDA	0030-0100	Karen	Myanmar,THA,CHN	17650	100	1234567
	SDA	0100-0200	Mandarin	S-China	17650	100	1234567
	TAI	0100-0200	Vietnamese	Vietnam	15445	100	.....7
	MOS	0200-0230	Urdu	Pakistan	9690	300	1234567
	MOS	0230-0300	Panjabi	Pakistan	9690	300	1234567
	MDC	0230-0330	Malagasy	Madagascar	3215	50	1234567
	NAU	0300-0330	Oromo	S-Ethiopia	11610	250	1234567
	SDA	0300-0330	Russian	E-Russia	17645	100	1234567

WER	0300-0330	Tigrinya	Eritrea	9530	250	1234567
MOS	0330-0430	Farsi	Iran	9505	300	1234567
NAU	0330-0400	Amharic	Ethiopia	11610	250	1234567
WER	0400-0600	Arabic	EGY,IRQ,ARS,YEM	15225	250	1234567
NAU	0400-0430	Bulgarian	Bulgaria	6020	100	1234567
MOS	0430-0500	French	Morocco,ALG	6155	300	1234567
MOS	0500-0530	Hausa	WeAF, Nigeria	11955	300	1234567
NAU	0700-0800	Arabic	Morocco,ALG	15225	100	1234567
NAU	0800-0830	French	Morocco,ALG	15140	100	1234567
WER	0800-0830	Kabyle	Morocco,ALG	15225	100	1234567
NAU	0830-0900	Tachelhit	Morocco,ALG	15225	100	1234567
ISS	0900-1000	Italian	Italy	9790	100	1.....
SDA	1000-1100	Cantonese	C/N-China	12010	100	1.....7
SDA	1000-1100	Mandarin	C/N-China	12010	100	23456.
SDA	1000-1100	Cantonese	S-China	17520	100	1.....7
SDA	1000-1100	Mandarin	S-China	17520	100	23456.
SDA	1030-1100	Tagalog	Philippines	17550	100	...45..
SDA	1030-1100	Tagalog	Philippines	17550	100	.23...7
SDA	1030-1100	Ilocano	Philippines	17550	100	1....6.
SDA	1100-1130	Indonesian	W-Indonesia	15620	100	1234567
SDA	1100-1200	Mandarin	S-China	15515	100	1234567
SDA	1100-1200	Mandarin	NE-China	11775	100	1234567
SDA	1100-1200	Mandarin	C/N-China	12105	100	1234567
SDA	1130-1200	Javanese	INS,MLA	15620	100	.2.4.6.
SDA	1130-1200	Sundanese	INS,MLA	15620	100	1.3.5.7
TRM	1130-1200	Shan	Myanmar,THA,CHN	15605	125	1234567
TRM	1200-1230	Mon	Myanmar,THA,CHN	11800	125	1234567
SDA	1200-1230	Min Nan Ch	S-China	15515	100	12345..
SDA	1200-1230	Min Nan Ch	C/N-China	12105	100	12345..
SDA	1200-1230	Min Nan Ch	NE-China	9800	100	12345..
SDA	1200-1230	Mandarin	S-China	15515	100	.....67
SDA	1200-1230	Mandarin	C/N-China	12105	100	.....67
SDA	1200-1230	Mandarin	NE-China	9800	100	.....67
SDA	1200-1300	Korean	Korea	9880	100	1234567
TRM	1230-1300	Meitei	NE-India	12085	125	1..4.6.
SDA	1230-1300	Mandarin	C/N-China	12105	100	1234567
SDA	1230-1300	Mandarin	S-China	15515	100	1234567
SDA	1230-1300	Mandarin	NE-China	9800	100	1234567
TRM	1230-1300	Bangla	NE-India, BGD	12085	125	.23.5.7
SDA	1300-1400	Mandarin	C/N-China	12105	100	1234567
NAU	1300-1330	Uighur	We-China	17810	250	1.....7
NAU	1300-1330	Mandarin	We-China	17810	250	.23456.
MDC	1300-1400	Vietnamese	Vietnam	17670	250	1234567
SDA	1300-1330	Khmer	CMB,VTN,THA,LAO	15320	100	1..4567
SDA	1300-1330	Khmer	CMB,VTN,THA,LAO	15320	100	.23....
SDA	1300-1330	Kachin	Myanmar	15445	100	1234567

SDA	1300-1330	Bangla	Bangladesh	15215	100	1234567
NAU	1330-1500	Mandarin	W-China	17810	250	1234567
SDA	1330-1400	Malay	Malaysia	15660	100	.23...7
SDA	1330-1400	Thai	CMB,VTN,THA,LAO	15430	100	.234.6.
SDA	1330-1400	Lao	CMB,VTN,THA,LAO	15430	100	5.7
SDA	1330-1400	Khmer	CMB,VTN,THA,LAO	15320	100	1.....
SDA	1330-1400	Hmong	Thailand	15660	100	....56.
SDA	1330-1400	Assamese	NE-India	15660	100	1..4...
SDA	1330-1400	Russian	E-Russia	9720	100	1234567
SDA	1400-1430	Asho Chin	Myanmar	15375	100	1234567
SDA	1400-1500	Mandarin	C/N-China	12105	100	1234567
SDA	1400-1500	Mandarin	S-China 22mb	13575	100	1234567
SDA	1400-1430	Sinhalese	Sri Lanka	15165	100	1234567
MOS	1400-1430	Urdu	Pakistan	15440	300	1234567
SDA	1430-1500	Burmese	Myanmar	15715	100	1234567
SDA	1430-1500	PWO W Karen	Myanmar,THA,CHN	15150	100	1234567
MOS	1430-1500	Afar	DJI,NE-ETH,SOM	17605	300	1234567
MDC	1430-1530	Malagasy	Madagascar	6155	50	1234567
SDA	1500-1530	Mizo	NE-India	15690	100	1234567
SDA	1500-1530	Tamil	S-India	15680	100	1234567
SDA	1500-1530	Karen	Myanmar,THA,CHN	11995	100	1234567
NAU	1500-1530	Nepali	Nepal	15735	250	1234567
MOS	1500-1530	Turkish	Turkey	11940	300	1234567
SDA	1500-1530	Telugu	S-India	15605	100	1234567
NAU	1500-1530	Panjabi	N-India	15265	250	1234567
MOS	1530-1600	Panjabi	Pakistan	15290	300	1234567
SDA	1530-1600	Marathi	C-India	11995	100	1234567
SDA	1530-1600	Kannada	S-India	15620	100	1234567
NAU	1530-1600	Tibetan	Nepal, Tibet	15335	250	....56.
SDA	1530-1600	Malayalam	S-India	15680	100	1234567
SDA	1530-1600	Hindi	C-India	15605	100	1234567
NAU	1530-1600	English	Nepal, Tibet	15335	250	1234..7
NAU	1530-1600	Hindi	N-India	15265	250	1234567
MOS	1600-1630	Urdu	Pakistan	15260	300	1234567
SDA	1600-1630	Urdu	N-India	15285	100	1234567
WER	1600-1630	Bulgarian	Bulgaria	9830	100	1234567
SDA	1600-1630	English	S-India	15670	100	1234567
SDA	1600-1630	English	C-India	15360	100	1234567
WER	1630-1700	Somali	Somalia	17575	250	1234567
SDA	1630-1700	Sindhi	S-Pakistan	15360	100	1 3 5 7
SDA	1630-1700	English	N-India	15360	100	2 4 6
MOS	1630-1730	Farsi	Iran	15150	300	1234567
MEY	1700-1730	Kiswahili	TZA,KEN,UGA	9600	250	1234567
MEY	1730-1800	Masai	TZA,KEN,UGA	9600	250	1234567
NAU	1730-1800	Oromo	S-Ethiopia	15155	250	1234567
WER	1730-1800	Kabyle	Morocco,ALG	15170	100	1234567
MEY	1830-1900	English	E-Africa	11840	250	1234567

MOS	1830-1900	Arabic	Libya	11660	300	1234567
NAU	1900-1930	Fulfulde	CMB,GHA,SEN	15205	100	1234567
WER	1900-1930	Arabic	Morocco,ALG	9610	100	1234567
MOS	1900-1930	Hausa	Nigeria	11955	300	1234567
NAU	1900-2000	Arabic	Morocco,ALG	15260	100	1234567
WER	1900-2100	Arabic	EGY,IRQ,ARS,YEM	11610	250	1234567
WER	1900-1930	Wolof	Senegal, Gambia	11945	250	1234567
MOS	1930-2000	French	C-Africa	15220	300	1234567
WER	1930-2000	Tachelhit	Morocco,ALG	9610	100	1234567
WER	1930-2000	Ibo	E-Nigeria	15205	250	1234567
MOS	2000-2030	Dyula	BFA,CTI,MLA	11955	300	1234567
NAU	2000-2030	French	Morocco,ALG	9610	100	1234567
WER	2000-2030	French	Cameroon, Niger	17610	100	1234567
MOS	2030-2100	French	W-Africa	15155	300	1234567
WER	2030-2100	Yoruba	Nigeria	11755	100	1234567
MOS	2100-2130	English	W-Africa	11955	300	1234567
SDA	2100-2200	Mandarin	C/N-China	11750	100	.23456.
SDA	2100-2200	Cantonese	C/N-China	11750	100	1.....7
SDA	2100-2200	Korean	Korea	11790	100	1234567
SDA	2100-2200	Cantonese	W-Japan,S-China	15420	100	1.....7
SDA	2100-2200	Mandarin	W-Japan,S-China	15420	100	.23456.
SDA	2200-2300	Mandarin	NE-China	12120	100	1234567
SDA	2200-2230	Sundanese	W-Indonesia	15435	100	.2.4.67
SDA	2200-2300	Mandarin	C/N-China	15215	100	1234567
SDA	2200-2230	Indonesian	W-Indonesia	15320	100	1234567
SDA	2200-2230	Javanese	W-Indonesia	15435	100	1.3.5..
SDA	2230-2300	English	W-Indonesia	15320	100	1234567
SDA	2300-2400	Vietnamese	Vietnam	17650	100	.23456.
SDA	2300-2330	Vietnamese	Vietnam	17650	100	1.....7
SDA	2300-2400	Mandarin	NE-China	12120	100	1234567
SDA	2300-2400	Mandarin	C/N-China	17520	100	1234567
SDA	2330-2400	English	Vietnam	17650	100	1.....7

Frequency sorted

Site	StartStop	Language	Service Area	kHz	kW	Days
MDC	0230-0330	Malagasy	Madagascar	3215	50	1234567
NAU	0400-0430	Bulgarian	Bulgaria	6020	100	1234567
MOS	0430-0500	French	Morocco,ALG	6155	300	1234567
MDC	1430-1530	Malagasy	Madagascar	6155	50	1234567
MOS	0330-0430	Farsi	Iran	9505	300	1234567
WER	0300-0330	Tigrinya	Eritrea	9530	250	1234567
MEY	1700-1730	Kiswahili	TZA,KEN,UGA	9600	250	1234567
MEY	1730-1800	Masai	TZA,KEN,UGA	9600	250	1234567
WER	1900-1930	Arabic	Morocco,ALG	9610	100	1234567
WER	1930-2000	Tachelhit	Morocco,ALG	9610	100	1234567
NAU	2000-2030	French	Morocco,ALG	9610	100	1234567

MOS	0200-0230	Urdu	Pakistan	9690	300	1234567	
MOS	0230-0300	Panjabi	Pakistan	9690	300	1234567	
SDA	1330-1400	Russian	E-Russia	9720	100	1234567	
ISS	0900-1000	Italian	Italy	9790	100	1.....	
SDA	1200-1230	Mandarin	NE-China	9800	100	.....67
SDA	1200-1230	Min Nan Ch	NE-China	9800	100	12345..	
SDA	1230-1300	Mandarin	NE-China	9800	100	1234567	
WER	1600-1630	Bulgarian	Bulgaria	9830	100	1234567	
SDA	1200-1300	Korean	Korea	9880	100	1234567	
NAU	0300-0330	Oromo	S-Ethiopia	11610	250	1234567	
NAU	0330-0400	Amharic	Ethiopia	11610	250	1234567	
WER	1900-2100	Arabic	EGY,IRQ,ARS,YEM	11610	250	1234567	
MOS	1830-1900	Arabic	Libya	11660	300	1234567	
SDA	2100-2200	Cantonese	C/N-China	11750	100	1.....7	
SDA	2100-2200	Mandarin	C/N-China	11750	100	.23456.	
WER	2030-2100	Yoruba	Nigeria	11755	100	1234567	
SDA	1100-1200	Mandarin	NE-China	11775	100	1234567	
SDA	2100-2200	Korean	Korea	11790	100	1234567	
TRM	1200-1230	Mon	Myanmar,THA,CHN	11800	125	1234567	
MEY	1830-1900	English	E-Africa	11840	250	1234567	
MOS	1500-1530	Turkish	Turkey	11940	300	1234567	
WER	1900-1930	Wolof	Senegal, Gambia	11945	250	1234567	
MOS	0500-0530	Hausa	WeAF, Nigeria	11955	300	1234567	
MOS	1900-1930	Hausa	Nigeria	11955	300	1234567	
MOS	2000-2030	Dyula	BFA,CTI,MLA	11955	300	1234567	
MOS	2100-2130	English	W-Africa	11955	300	1234567	
SDA	1500-1530	Karen	Myanmar,THA,CHN	11995	100	1234567	
SDA	1530-1600	Marathi	C-India	11995	100	1234567	
SDA	1000-1100	Cantonese	C/N-China	12010	100	1.....7	
SDA	1000-1100	Mandarin	C/N-China	12010	100	.23456.	
SDA	0000-0200	Mandarin	NE-China	12025	100	1234567	
TRM	1230-1300	Meitei	NE-India	12085	125	1..4.6.	
TRM	1230-1300	Bangla	NE-India, BGD	12085	125	.23.5.7	
SDA	1100-1200	Mandarin	C/N-China	12105	100	1234567	
SDA	1200-1230	Min Nan Ch	C/N-China	12105	100	12345..	
SDA	1200-1230	Mandarin	C/N-China	12105	100	.....67
SDA	1230-1300	Mandarin	C/N-China	12105	100	1234567	
SDA	1300-1400	Mandarin	C/N-China	12105	100	1234567	
SDA	1400-1500	Mandarin	C/N-China	12105	100	1234567	
SDA	2200-2300	Mandarin	NE-China	12120	100	1234567	
SDA	2300-2400	Mandarin	NE-China	12120	100	1234567	
SDA	1400-1500	Mandarin	S-China	22mb	13575	100	1234567
NAU	0800-0830	French	Morocco,ALG	15140	100	1234567	
SDA	1430-1500	PWO W Karen	Myanmar,THA,CHN	15150	100	1234567	
MOS	1630-1730	Farsi	Iran	15150	300	1234567	

NAU	1730-1800	Oromo	S-Ethiopia	15155	250	1234567
MOS	2030-2100	French	W-Africa	15155	300	1234567
SDA	1400-1430	Sinhalese	Sri Lanka	15165	100	1234567
WER	1730-1800	Kabyle	Morocco,ALG	15170	100	1234567
NAU	1900-1930	Fulfulde	CMB,GHA,SEN	15205	100	1234567
WER	1930-2000	Ibo	E-Nigeria	15205	250	1234567
SDA	1300-1330	Bangla	Bangladesh	15215	100	1234567
SDA	2200-2300	Mandarin	C/N-China	15215	100	1234567
MOS	1930-2000	French	C-Africa	15220	300	1234567
WER	0400-0600	Arabic	EGY,IRQ,ARS,YEM	15225	250	1234567
NAU	0700-0800	Arabic	Morocco,ALG	15225	100	1234567
WER	0800-0830	Kabyle	Morocco,ALG	15225	100	1234567
NAU	0830-0900	Tachelhit	Morocco,ALG	15225	100	1234567
MOS	1600-1630	Urdu	Pakistan	15260	300	1234567
NAU	1900-2000	Arabic	Morocco,ALG	15260	100	1234567
NAU	1500-1530	Panjabi	N-India	15265	250	1234567
NAU	1530-1600	Hindi	N-India	15265	250	1234567
SDA	1600-1630	Urdu	N-India	15285	100	1234567
MOS	1530-1600	Panjabi	Pakistan	15290	300	1234567
SDA	1300-1330	Khmer	CMB,VTN,THA,LAO	15320	100	1..4567
SDA	1300-1330	Khmer	CMB,VTN,THA,LAO	15320	100	.23....
SDA	1330-1400	Khmer	CMB,VTN,THA,LAO	15320	100	1.....
SDA	2200-2230	Indonesian	W-Indonesia	15320	100	1234567
SDA	2230-2300	English	W-Indonesia	15320	100	1234567
NAU	1530-1600	Tibetan	Nepal, Tibet	15335	250	....56.
NAU	1530-1600	English	Nepal, Tibet	15335	250	1234..7
SDA	1600-1630	English	C-India	15360	100	1234567
SDA	1630-1700	English	N-India	15360	100	2 4 6
SDA	1630-1700	Sindhi	S-Pakistan	15360	100	1 3 5 7
SDA	1400-1430	Asho Chin	Myanmar	15375	100	1234567
SDA	2100-2200	Cantonese	W-Japan,S-China	15420	100	1.....7
SDA	2100-2200	Mandarin	W-Japan,S-China	15420	100	.23456.
SDA	1330-1400	Thai	CMB,VTN,THA,LAO	15430	100	.234.6.
SDA	1330-1400	Lao	CMB,VTN,THA,LAO	15430	100	5.7
SDA	2200-2230	Sundanese	W-Indonesia	15435	100	.2.4.67
SDA	2200-2230	Javanese	W-Indonesia	15435	100	1.3.5..
MOS	1400-1430	Urdu	Pakistan	15440	300	1234567
TAI	0100-0200	Vietnamese	Vietnam	15445	100	.....7
SDA	1300-1330	Kachin	Myanmar	15445	100	1234567
SDA	1100-1200	Mandarin	S-China	15515	100	1234567
SDA	1200-1230	Min Nan Ch	S-China	15515	100	12345..
SDA	1200-1230	Mandarin	S-China	15515	100	.....67
SDA	1230-1300	Mandarin	S-China	15515	100	1234567
TRM	1130-1200	Shan	Myanmar,THA,CHN	15605	125	1234567
SDA	1500-1530	Telugu	S-India	15605	100	1234567
SDA	1530-1600	Hindi	C-India	15605	100	1234567
SDA	1100-1130	Indonesian	W-Indonesia	15620	100	1234567
SDA	1130-1200	Javanese	INS,MLA	15620	100	.2.4.6.

SDA	1130-1200	Sundanese	INS,MLA	15620	100	1.3.5.7
SDA	1530-1600	Kannada	S-India	15620	100	1234567
SDA	1330-1400	Malay	Malaysia	15660	100	.23...7
SDA	1330-1400	Hmong	Thailand	15660	100	....56.
SDA	1330-1400	Assamese	NE-India	15660	100	1..4...
SDA	1600-1630	English	S-India	15670	100	1234567
SDA	1500-1530	Tamil	S-India	15680	100	1234567
SDA	1530-1600	Malayalam	S-India	15680	100	1234567
SDA	1500-1530	Mizo	NE-India	15690	100	1234567
SDA	1430-1500	Burmese	Myanmar	15715	100	1234567
NAU	1500-1530	Nepali	Nepal	15735	250	1234567

SDA	1000-1100	Mandarin	S-China	17520	100	23456.
SDA	1000-1100	Cantonese	S-China	17520	100	1.....7
SDA	2300-2400	Mandarin	C/N-China	17520	100	1234567
SDA	1030-1100	Tagalog	Philippines	17550	100	.23...7
SDA	1030-1100	Ilocano	Philippines	17550	100	1....6.
SDA	1030-1100	Tagalog	Philippines	17550	100	...45..
WER	1630-1700	Somali	Somalia	17575	250	1234567
MOS	1430-1500	Afar	DJI,NE-ETH,SOM	17605	300	1234567
WER	2000-2030	French	Cameroon, Niger	17610	100	1234567
SDA	0300-0330	Russian	E-Russia	17645	100	1234567
SDA	0000-0030	Burmese	Myanmar	17650	100	1234567
SDA	0030-0100	Karen	Myanmar,THA,CHN	17650	100	1234567
SDA	0100-0200	Mandarin	S-China	17650	100	1234567
SDA	2300-2330	Vietnamese	Vietnam	17650	100	1.....7
SDA	2300-2400	Vietnamese	Vietnam	17650	100	.23456.
SDA	2330-2400	English	Vietnam	17650	100	1.....7
MDC	1300-1400	Vietnamese	Vietnam	17670	250	1234567
NAU	1300-1330	Mandarin	We-China	17810	250	.23456.
NAU	1300-1330	Uighur	We-China	17810	250	1.....7
NAU	1330-1500	Mandarin	W-China	17810	250	1234567
SDA	0000-0200	Mandarin	C/N-China	17880	100	1234567

Site sorted

Site	StartStop	Language	Service Area	kHz	kW	Days
ISS	0900-1000	Italian	Italy	9790	100	1.....

MDC	0230-0330	Malagasy	Madagascar	3215	50	1234567
MDC	1430-1530	Malagasy	Madagascar	6155	50	1234567
MDC	1300-1400	Vietnamese	Vietnam	17670	250	1234567

MEY	1700-1730	Kiswahili	TZA,KEN,UGA	9600	250	1234567
MEY	1730-1800	Masai	TZA,KEN,UGA	9600	250	1234567
MEY	1830-1900	English	E-Africa	11840	250	1234567

MOS	0430-0500	French	Morocco,ALG	6155	300	1234567
MOS	0330-0430	Farsi	Iran	9505	300	1234567

MOS	0200-0230	Urdu	Pakistan	9690	300	1234567
MOS	0230-0300	Panjabi	Pakistan	9690	300	1234567
MOS	1830-1900	Arabic	Libya	11660	300	1234567
MOS	1500-1530	Turkish	Turkey	11940	300	1234567
MOS	0500-0530	Hausa	WeAF, Nigeria	11955	300	1234567
MOS	1900-1930	Hausa	Nigeria	11955	300	1234567
MOS	2000-2030	Dyula	BFA,CTI,MLA	11955	300	1234567
MOS	2100-2130	English	W-Africa	11955	300	1234567
MOS	1630-1730	Farsi	Iran	15150	300	1234567
MOS	2030-2100	French	W-Africa	15155	300	1234567
MOS	1930-2000	French	C-Africa	15220	300	1234567
MOS	1600-1630	Urdu	Pakistan	15260	300	1234567
MOS	1530-1600	Panjabi	Pakistan	15290	300	1234567
MOS	1400-1430	Urdu	Pakistan	15440	300	1234567
MOS	1430-1500	Afar	DJI,NE-ETH,SOM	17605	300	1234567
NAU	0400-0430	Bulgarian	Bulgaria	6020	100	1234567
NAU	2000-2030	French	Morocco,ALG	9610	100	1234567
NAU	0300-0330	Oromo	S-Ethiopia	11610	250	1234567
NAU	0330-0400	Amharic	Ethiopia	11610	250	1234567
NAU	0800-0830	French	Morocco,ALG	15140	100	1234567
NAU	1730-1800	Oromo	S-Ethiopia	15155	250	1234567
NAU	1900-1930	Fulfulde	CMB,GHA,SEN	15205	100	1234567
NAU	0700-0800	Arabic	Morocco,ALG	15225	100	1234567
NAU	0830-0900	Tachelhit	Morocco,ALG	15225	100	1234567
NAU	1900-2000	Arabic	Morocco,ALG	15260	100	1234567
NAU	1500-1530	Panjabi	N-India	15265	250	1234567
NAU	1530-1600	Hindi	N-India	15265	250	1234567
NAU	1530-1600	English	Nepal, Tibet	15335	250	1234..7
NAU	1530-1600	Tibetan	Nepal, Tibet	15335	250	....56.
NAU	1500-1530	Nepali	Nepal	15735	250	1234567
NAU	1300-1330	Mandarin	We-China	17810	250	.23456.
NAU	1300-1330	Uighur	We-China	17810	250	1.....7
NAU	1330-1500	Mandarin	W-China	17810	250	1234567
SDA	1330-1400	Russian	E-Russia	9720	100	1234567
SDA	1200-1230	Min Nan Ch	NE-China	9800	100	12345..
SDA	1200-1230	Mandarin	NE-China	9800	100	.....67
SDA	1230-1300	Mandarin	NE-China	9800	100	1234567
SDA	1200-1300	Korean	Korea	9880	100	1234567
SDA	2100-2200	Mandarin	C/N-China	11750	100	.23456.
SDA	2100-2200	Cantonese	C/N-China	11750	100	1.....7
SDA	1100-1200	Mandarin	NE-China	11775	100	1234567
SDA	2100-2200	Korean	Korea	11790	100	1234567
SDA	1500-1530	Karen	Myanmar,THA,CHN	11995	100	1234567
SDA	1530-1600	Marathi	C-India	11995	100	1234567
SDA	1000-1100	Mandarin	C/N-China	12010	100	23456.
SDA	1000-1100	Cantonese	C/N-China	12010	100	1.....7
SDA	0000-0200	Mandarin	NE-China	12025	100	1234567

SDA	1100-1200	Mandarin	C/N-China	12105	100	1234567
SDA	1200-1230	Min Nan Ch	C/N-China	12105	100	12345..
SDA	1200-1230	Mandarin	C/N-China	12105	100	.....67
SDA	1230-1300	Mandarin	C/N-China	12105	100	1234567
SDA	1300-1400	Mandarin	C/N-China	12105	100	1234567
SDA	1400-1500	Mandarin	C/N-China	12105	100	1234567
SDA	2200-2300	Mandarin	NE-China	12120	100	1234567
SDA	2300-2400	Mandarin	NE-China	12120	100	1234567
SDA	1400-1500	Mandarin	S-China 22mb	13575	100	1234567
SDA	1430-1500	PWO W Karen	Myanmar,THA,CHN	15150	100	1234567
SDA	1400-1430	Sinhalese	Sri Lanka	15165	100	1234567
SDA	1300-1330	Bangla	Bangladesh	15215	100	1234567
SDA	2200-2300	Mandarin	C/N-China	15215	100	1234567
SDA	1600-1630	Urdu	N-India	15285	100	1234567
SDA	1300-1330	Khmer	CMB,VTN,THA,LAO	15320	100	.23....
SDA	1300-1330	Khmer	CMB,VTN,THA,LAO	15320	100	1..4567
SDA	1330-1400	Khmer	CMB,VTN,THA,LAO	15320	100	1.....
SDA	2200-2230	Indonesian	W-Indonesia	15320	100	1234567
SDA	2230-2300	English	W-Indonesia	15320	100	1234567
SDA	1600-1630	English	C-India	15360	100	1234567
SDA	1630-1700	English	N-India	15360	100	2 4 6
SDA	1630-1700	Sindhi	S-Pakistan	15360	100	1 3 5 7
SDA	1400-1430	Asho Chin	Myanmar	15375	100	1234567
SDA	2100-2200	Cantonese	W-Japan,S-China	15420	100	1.....7
SDA	2100-2200	Mandarin	W-Japan,S-China	15420	100	.23456..
SDA	1330-1400	Thai	CMB,VTN,THA,LAO	15430	100	.234.6.
SDA	1330-1400	Lao	CMB,VTN,THA,LAO	15430	100	5.7
SDA	2200-2230	Javanese	W-Indonesia	15435	100	1.3.5..
SDA	2200-2230	Sundanese	W-Indonesia	15435	100	.2.4.67
SDA	1300-1330	Kachin	Myanmar	15445	100	1234567
SDA	1100-1200	Mandarin	S-China	15515	100	1234567
SDA	1200-1230	Min Nan Ch	S-China	15515	100	12345..
SDA	1200-1230	Mandarin	S-China	15515	100	.....67
SDA	1230-1300	Mandarin	S-China	15515	100	1234567
SDA	1500-1530	Telugu	S-India	15605	100	1234567
SDA	1530-1600	Hindi	C-India	15605	100	1234567
SDA	1100-1130	Indonesian	W-Indonesia	15620	100	1234567
SDA	1130-1200	Sundanese	INS,MLA	15620	100	1.3.5.7
SDA	1130-1200	Javanese	INS,MLA	15620	100	.2.4.6.
SDA	1530-1600	Kannada	S-India	15620	100	1234567
SDA	1330-1400	Malay	Malaysia	15660	100	.23...7
SDA	1330-1400	Assamese	NE-India	15660	100	1..4...
SDA	1330-1400	Hmong	Thailand	15660	100	....56.
SDA	1600-1630	English	S-India	15670	100	1234567
SDA	1500-1530	Tamil	S-India	15680	100	1234567
SDA	1530-1600	Malayalam	S-India	15680	100	1234567
SDA	1500-1530	Mizo	NE-India	15690	100	1234567
SDA	1430-1500	Burmese	Myanmar	15715	100	1234567

SDA	1000-1100	Mandarin	S-China	17520	100	23456.
SDA	1000-1100	Cantonese	S-China	17520	100	1.....7
SDA	2300-2400	Mandarin	C/N-China	17520	100	1234567
SDA	1030-1100	Ilocano	Philippines	17550	100	1....6.
SDA	1030-1100	Tagalog	Philippines	17550	100	...45..
SDA	1030-1100	Tagalog	Philippines	17550	100	.23...7
SDA	0300-0330	Russian	E-Russia	17645	100	1234567
SDA	0000-0030	Burmese	Myanmar	17650	100	1234567
SDA	0030-0100	Karen	Myanmar,THA,CHN	17650	100	1234567
SDA	0100-0200	Mandarin	S-China	17650	100	1234567
SDA	2300-2330	Vietnamese	Vietnam	17650	100	1.....7
SDA	2300-2400	Vietnamese	Vietnam	17650	100	.23456.
SDA	2330-2400	English	Vietnam	17650	100	1.....7
SDA	0000-0200	Mandarin	C/N-China	17880	100	1234567
TAI	0100-0200	Vietnamese	Vietnam	15445	100	.....7
TRM	1200-1230	Mon	Myanmar,THA,CHN	11800	125	1234567
TRM	1230-1300	Bangla	NE-India, BGD	12085	125	.23.5.7
TRM	1230-1300	Meitei	NE-India	12085	125	1..4.6.
TRM	1130-1200	Shan	Myanmar,THA,CHN	15605	125	1234567
WER	0300-0330	Tigrinya	Eritrea	9530	250	1234567
WER	1900-1930	Arabic	Morocco,ALG	9610	100	1234567
WER	1930-2000	Tachelhit	Morocco,ALG	9610	100	1234567
WER	1600-1630	Bulgarian	Bulgaria	9830	100	1234567
WER	1900-2100	Arabic	EGY,IRQ,ARS,YEM	11610	250	1234567
WER	2030-2100	Yoruba	Nigeria	11755	100	1234567
WER	1900-1930	Wolof	Senegal, Gambia	11945	250	1234567
WER	1730-1800	Kabyle	Morocco,ALG	15170	100	1234567
WER	1930-2000	Ibo	E-Nigeria	15205	250	1234567
WER	0400-0600	Arabic	EGY,IRQ,ARS,YEM	15225	250	1234567
WER	0800-0830	Kabyle	Morocco,ALG	15225	100	1234567
WER	1630-1700	Somali	Somalia	17575	250	1234567
WER	2000-2030	French	Cameroon, Niger	17610	100	1234567

Site:

ISS=Issoudun	F	SDA=Agat	MRA	1=Sunday	5=Thursday
MDC=Madagascar	MDG	TAI=Taipei	TWN	2=Monday	6=Friday
MEY=Meyerton	AFS	TRM=Trincomalee	CLN	3=Tuesday	7=Saturday
MOS=Moosbrunn	AUT	WER=Wertachtal	D	4=Wednesday	
NAU=Nauen	D				

Days:

AWR Frequency Management Office

Sandwiesenstr. 35, 64665 Alsbach, Germany

Phone +49 6257 9440969, Fax +49 6257 9440985 E-mail: <dedio @ awr.org>

Claudio Dedio sent A-13 AWR schedule in PDF.format to

ADDX Germany, via Andreas Volk, Munich,
via wwdxc BC-DX TopNews transformed on March 19

PS: no Mandarin language service via Trincomalee Sri Lanka to western
China anymore (Wolfgang B,schel, dxldyg via DX LISTENING DIGEST)

NOTE: the same schedule above was in DXLD 13-12, but without
maintaining column formatting (gh)

** U S A. 690, March 25 at 0547 UT, open carrier/dead air presumed
from KGGF Coffeyville KS again, with KTSM El Paso audible underneath
(Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. Members, This came from Glenn's DXLD weekly 13-12. The only
AM station on Catalina Island in California has shut down its
transmissions from there. KBRT has just restarted on 740 with a new 50
kW daytime signal using 4 x 86M masts around 33 49 45N, 117 38 20W.
The new nighttime signal comes from the same array with 190 W.
Obviously since erection of the array has been so recent, there are no
images to look at on GE etc., yet. I have no idea what will happen to
the Catalina Island / Avalon site. 73's (Dan Goldfarb, UK, mwmasts yg
via DXLD)

zoom in:
<http://www.panoramio.com/photo/21118638>
<http://www.panoramio.com/photo/13466489>
<http://www.panoramio.com/photo/60587205>
<http://www.panoramio.com/photo/61333244>

USA former KBRT_Avalon_ Catalina Island, 3 masts
33 21'35. 39"N 118 22'21. 28"W
(Wolfgang B,schel, ibid.)

Members, In response to Wolfgang' s correct list of Panoramio shots of
this site, I wish to comment as follows. Maybe Scott or another US
expert can help. How can the photos be reconciled with two pieces of
evidence. First, in the original article in DXLD there is clear talk
about "inauguration", "new" and "the move".

Secondly, the FCC entry would point to the Construction Permit having
now happened. I can only think that another station used this Oak Flat
site when the photos were taken, the masts were then taken down, the
current GE images were produced and over the recent weeks, new masts
were erected. A second idea is that perhaps these photos have been
very recently placed on Panoramio? If there were masts there before,
who used them? 73's and 88's (Dan Goldfarb, March 26, ibid.)

Hi Dan, The property where the Catalina site was located belongs (as

does most of the island) to the Catalina Island Conservancy, and now that KBRT has moved, it's up to the conservancy to figure out what it wants to do with the site. There's no other practical use for those towers, so the distinct likelihood is that the site will be razed and allowed to return to nature. I visited both the old and new sites in December, and wrote about the old one for Radio World:
<http://www.rwonline.com/article/one-of-america%E2%80%99s-most-remote-am-sites-signs-off/217334>

I will send you some pictures of the new site soon.

The Oak Flat site was indeed used by a different station in the past. It was the original site of KPLS 830 (now KLAA), but it didn't perform very well from that location and it was difficult to operate there (they had to generate their own power at the very remote site), so 830 moved to its present site north of Corona and razed its towers at the Oak Flat site.

When KBRT was forced to move off Catalina, it considered dozens of sites before settling on Oak Flat as the best of a bunch of bad choices. They built all new towers and ground system, since nothing from KPLS was left behind up there (Scott Fybush, *ibid.*)

Members, Seeing that the KBRT move was a Crawford project I emailed Ben Dawson for his clarification. Here it is:

'1. The "Oak Flat" site was originally used by the station licensed on 830 kHz, KLAA, Orange, CA, Facility ID # 50516. (Original call KSRT, then KPLS, then KMXE)

It was a 3 element in-line array. The station moved from the site and increased power a few years after its original construction, and then (during its KPLS days) obtained a CP for another substantial power increase and antenna change. (We performed the original engineering for the change.) A later owner modified the design of the antenna system before it was constructed, to make it simpler (and in my opinion much less desirable) and that is its present mode of operation.

2. KBRT has been faced with the fixed date and unalterable termination of its lease on Isla Santa Catalina for some time. In searching for a new site, the environmental, land use, cost, and other restrictions were very troublesome. We suggested the use of the Oak Flat former 830 site, in part because we felt it would not be tremendously difficult to obtain environmental and land use permits, and in part because since there had been a previous use, there was a substantial amount of measured conductivity information for the site which would allow confidence in prediction of its service from there, as well as accurate prediction to prevent interference and allow FCC licensing

without difficulty.

3. The entire Avalon facility will be dismantled and all equipment including the towers removed. I do not know if the transmitting equipment building will remain or if it will also be dismantled.

Interestingly, at the time of the original designation of use of 760 kHz at San Diego sometime back in the 1960s (which replaced 540 kHz there, which had to be abandoned because it conflicted with treaty obligations to Mexico, and the station involved could not return to its original 550 kHz because of changes to 550 kHz at Bakersfield) , the suggestion was made that since 760 created interference to the pre-existing 740 kHz Avalon, Avalon should be moved to 830. That was not done, because the suggestion came too late in the legal process to allow consideration of it. (A process known as "estopped"; in U.S. and I think also British law.) In my opinion, 760 should not have been allotted to San Diego, and 830 should have been used there instead.

Here is a link to photographs and a narration of the construction by Crawford Broadcasting's eminent Director of Engineering, Cris Alexander.

http://www.crawfordbroadcasting.com/oakflat_gallery/
Ben Dawson`

I hope that this adds to the knowledge about the subject. Certainly the part about Isla Santa Catalina is interesting. The information on KPLS means that the Archive database can have two new entries - both Avalon and Oak Flat. 73's and 88's (Dan Goldfarb, *ibid.*)

I have been following this thread with some interest. I can't help wondering if this is the same Avalon site that served as the reception point for the world's first totally wireless newspaper.

This was discussed in the March 1998 issue of Short Wave Magazine. The article by Eric Westman describes how, from July 1902, news came in to Avalon from a spark gap transmitter at White's Point in Los Angeles County and was used to produce a daily newspaper on Catalina island. Unfortunately, the article gives no idea of the frequencies used.

If it is the same site, it will be really sad to lose such a historic link. Regards, (Bill Bingham, RSA, March 27, *ibid.*)

Members, Having checked with Ben Dawson he is very doubtful of reuse of the same location after so long. In his view the KBRT site on Catalina is simply too far from Avalon itself. Just coincidence! 73's and 88's (Dan Goldfarb, *ibid.*)

I concur with Ben on this. The now-former KBRT site is extremely

remote, and would have been even more so a century ago. Everything I can find suggests that it was built specifically for KBRT, circa 1952, and had not previously been used for any radio purposes. The 1902 receive site was almost certainly in Avalon proper. s (Scott Fybush, ibid.)

AN ALMOST FORGOTTEN SHORTWAVE STATION ON AN AMERICAN ISLAND IN THE PACIFIC!

Where is the island? And what was the station? Thatís our opening topic for today here in Wavescan.

Actually, the island is twenty two miles long and eight miles wide, and it is located on the edge of the Pacific Ocean, just twenty miles off the coast of California. It is a tourist island and a vacation location for a million visitors each year who come ashore from nearby Los Angeles. The island name is Catalina, or more completely, Santa Catalina, and the tourist town on this island is known as Avalon.

It was in the year 1918, that the 37 year old son of multi-millionaire New Yorkers, Major Jordan Lawrence Mott, came to live in Avalon on Catalina Island. During the Great War, he had served his country as an officer in the Army Signal Corps.

Just two years later, Mott constructed his own radio station and was granted an amateur operatorís license with the callsign 6BX. During the following year, he accepted an off-site appointment as the Assistant Editor for the new radio magazine, Pacific Radio News. The March issue of this magazine gave two full stories with pictures about Mottís new amateur radio station 6BX. During the following year, the callsign for the Mott station was changed to 6ZW.

In the meantime, Mott was also granted an experimental callsign, 6XAD, and this was issued around mid-year 1920. This experimental license granted Mott the privilege of making test transmissions with music & speech, on what was described as variable wavelengths.

Another article about the Mott radio station 6XAD-6ZW with pictures was published in QST magazine for August 1922. Around this era, Mott was on the air usually in Morse Code and for example, he was one of the few who maintained continuing radio contact with the MacMillan expedition up towards the North Pole in 1922 & 1923. This expedition was carried in the newly launched ship iBowdoinî and its wireless equipment was on the air under the callsign WNP, signifying Wireless North Pole.

During the year 1924, Mott began work on the installation of upgraded new equipment for station 6XAD-6ZW which was installed in his home in

Clarissa Street (Avenue), in Avalon. This equipment enabled the broadcast of speech & music, and he made a series of initial test broadcasts during the afternoons in the winter of 1924.

One of these test broadcasts featured a local choir and it was radiated on what was called at the time, a shorter wavelength. The allocated channels in use around this time were 196 m (1530 kHz) & 172 m (1745 kHz). In January 1925, it was announced that station 6XAD-6ZW was about to begin a series of transcontinental test transmissions with the navy radio station NKF, located at Anacostia in suburban Washington DC.

Just before Easter 1925, Mott made a series of test broadcasts on shortwave over 6XAD-6ZW beginning at 11:00 pm, and the channel on this occasion was 150 metres, 2,000 kHz. On Easter weekend, April 11 & 12, special broadcasts from the Easter events on Catalina were relayed to mediumwave station KHJ in Los Angeles on the mainland for a wider coverage area.

Other special programs that were relayed by 6XAD to the mainland on frequencies just above the mediumwave band were a four hour musical drama 'The Sandman & Queen Titania', a concert on the Wurlitzer organ, and a program of band music from an open air concert in Avalon.

The reconstruction of his radio station was completed a few weeks later and this included new studio equipment in his home, as well as a grand piano and a new callsign. Initially, it was stated, the callsign for the mediumwave facility would be KFLM, though when the station was officially inaugurated in mid August 1925, the call was actually KFWO. Mott used the call letters KFWO to stand for Katalina for Wonderful Outings.

The technical equipment at the new KFWO, all of which was located in his Clarissa Avenue home, included a 250 watt transmitter on 211.1 metres (1420 kHz), and a flat top wire antenna. The shortwave equipment under the callsign 6XAD was still in use for the purpose of relaying the mediumwave programming of KFWO to distant mediumwave stations in the continental United States.

The new mediumwave station, even though on the air at only 250 watts, was often heard far afield, and reception reports came in from listeners in many of the American states, including from the staff at the high powered WLW in Cincinnati Ohio, and from New York City, and from various areas of Canada. Another correct reception report was received from a listener living in London, England.

In the early winter of 1927, the owner of Catalina Island, William Wrigley of chewing gum fame, organized a long distance swim from

Catalina Island to the California mainland, a distance of twenty two miles. The Wrigley Ocean Marathon, covering a distance one mile greater than the swim across the English Channel, attracted 102 participants. It began at midday on Saturday January 15, and ended at 3:00 am next morning, with only one successful contender, a 17 year old Canadian by the name of George Young.

In order to provide radio coverage of the entire 15æ hour event, mediumwave station KNX in Hollywood placed its low power remote shortwave transmitter 6XA aboard the SS iAvalonî. The continuous live coverage from shortwave 6XA was received off air on Catalina and rebroadcast by mediumwave KFWO in Avalon. In turn, many mediumwave stations throughout the continental United States relayed this programming, including for example, KNX in Hollywood California, KGO in Spokane Washington, KOA in Denver Colorado and KMOX in St Louis Missouri.

In mid 1927, the licensing authorities required KFWO in Avalon to change channel from 1420 kHz to 1370 kHz, and during the following year to 1000 kHz. In a second change for the year 1928, KFWO was required to change again, this time to 1500 kHz, with a power drop to 100 watts and shared time with KWTC in nearby Santa Ana, California.

Around this time, Major Lawrence Mott attempted unsuccessfully to turn his home based radio station into a commercial operation. Instead, he surrendered the license to the Federal Radio Commission, gave the equipment to station KWTC at Santa Ana, left the island for ever, and went to live in Hollywood. That was the end of the Mott radio stations in Avalon on Catalina Island: amateur 6BX & 6ZW, mediumwave KFLM & KFWO, and shortwave W6XAD.

During his 10 years of radio activity on the island, Mott was given very wide coverage of his radio events by the local newspaper, the Catalina Islander, and he issued many QSL cards. At least three QSL cards are known: a blank card printed with the callsign 6XAD, another similar card printed with two callsigns 6XAD & 6ZW, and a third card a colored tourist card printed on the text side with the complete details of station KFWO. Also offered was a QSL stamp, printed specifically for station KFWO, showing a swimmer diving into the ocean.

The American island in the Pacific was Catalina, and the almost forgotten shortwave station was the experimental station W6XAD which made numerous program broadcasts during its ten year lifetime in the 1920s.

Catalina & Avalon Backgrounds

Year	Date	Information	Reference
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Catalina Island: Geography

		Santa Catalina Island, shaped almost like big hand of clock, showing 11:00 o'clock	
		22 miles long, 8 miles wide, 20 miles off California coast, lack of water	
		Local population close to 4,000	
		Tourist island, more than 1 million every year	
		Mild subtropical climate	
		Largest town Avalon	
		Quarrying of soapstone	
		Quartz silver-gray beach sand on ocean side	
		15 unique animals & plants, including Catalina Fox & Orange Tip Butterfly	
		Famous & rare Catalina pottery	

Catalina Island: History

		Ancient times, inhabited by Tongvu-Pimugnan people, as many as 2,500 on the island	
	1542 Oct 7	Discovered by Portuguese explorer Juan Rodriguez Cabrillo, sailing for Spain	
		Claimed for Spain, named San Salvador after his ship	
	1602 Nov 24	Rediscovered by Spanish explorer Sebastian Vizcaino	
		Re-discovered on St. Catherine's Day, named in her honor	
		Many traders, Russians from Siberia, Aleuts from Alaska	
		Colorful history, safe haven for smugglers & pirates	
	1830s	Native population migrated to mainland California	
	1846	Mexican governor granted island into private owners	
		Changed hands many times	
	1887	1st attempt to develop island as tourist resort	
	1891	2nd attempt to develop island as tourist resort	
	1919	Most of island bought by William Wrigley, chewing gum fame	
	1929 Nov 15	Fire destroyed 9 Avalon's buildings	
	1935	Mutiny on the Bounty (3rd film) with Clark Gable & Charles Laughton filmed on Catalina	
	1900s mid	Local Tongvu language became extinct	
	192x	Slogan "The Isle with a Smile", originated by Mott	
	2001 Mar	Japanese tsunami damaged & destroyed some water craft	
	2013	14 year waiting list to bring motor car to the island	

Communication Development

	1864	Pigeon Post introduced, 45 minutes	
	1899	Pigeon post discontinued; Regular post 10 days	
	1902	Commercial wireless station established, 1st in world,	
		Chimes Tower location	
	1903	No cable from mainland to Catalina	
	1919	World's 1st wireless telephone system installed,	

communication with mainland

1920 Jul 1 KUXV, callsign for Pacific Telephone & Telegraph Co,

Avalon RSB 1-7-20 2

1946 Worldis 1st microwave communication system installed

=====

Wireless & Radio Callsigns & Events

Year	Date	Information	Reference
Major Jordan Lawrence Mott			
1881		Birth NY, multi-millionaire parents	
		Graduated at Harvard	
WW1		Served in US Army Signal Corps	
1918		Came to Avalon Catalina	
1921		Appointed as Asst Editor, Pacific Radio News	
PRN 5-21	325-1		
192x		Slogan iThe Isle with a Smileî, originated by Mott	
1928		Mott moved from Catalina to Hollywood	
1931	Jun 4	Death, age 50, fishing camp near Roseburg, OR	

Amateur Station 6BX

1920 Sep Mott already on air with amateur station

1921 Mar Photo & 2 stories Mott amateur station 6BX

PRN 3-21 252

Amateur Station 6ZW

1922 Jun Amateur callsign 6ZW allocated to Lawrence Mott Avalon,
150-220 m (1365-2000 kHz)

1922 Aug Article with photo on 6XAD-6ZW in QST magazine

1924 Sep 6XAD-6ZW using 196 m (1530 kHz) though mostly 172 m (1745
kHz) for broadcasts

Test broadcasts begin 11:00 pm Tue Thu & Sat

1925 Jan 6XAD-6ZW soon begin shortwave tests to NKF Anacostia

1925 Apr New radio equipment 6XAD-6ZW, voice & music, Clarissa Ave,
Avalon

1925 Apr Programming on 6XAD-6ZW on various shortwave channels

Experimental Station W6XAD

1920 New listing, 6XAD Lawrence Mott, Avalon CA Supplementary
List, additional to 30-6-20

1922 Mar 6 QSL card: 20 w on 2.6 (?), 100 w on 370 m, soon 100 w on
240 m QSL card

1922 Jun Experimental callsign 6XAD allocated to Lawrence Mott
Avalon, variable wavelengths

1922 Aug Article with photo on 6XAD-6ZW in QST magazine

1922 & 23 Communication with polar expedition

1923 Jul 2 6XAD listings: 200, 275 & 375 metres (1500, 1090 & 800
kHz) RSB 2-7-23 15

1925 Feb Improvements to 6XAD almost completed
 1925 Apr New radio equipment 6XAD-6ZW, voice & music, Clarissa Ave,
 Avalon
 1925 May Now has new studio in home, also grand piano
 1925 Jun Experimental broadcasts late afternoons 1 hr 100 & 200 m
 (1500-3000 kHz) 6XAD-6ZW
 1928 Jun 30 Strike out all particulars RSB 30-3-29 14

Program Broadcasting W6XAD

1924 Early Winter test broadcasts in afternoon
 1924 Jun Choir broadcasts 6XAD-6ZW on shorter wavelengths
 1924 Sep 6XAD-6ZW using 196 m (1530 kHz) though mostly 172 m (1745
 kHz) for broadcasts
 Test broadcasts begin 11:00 pm Tue Thu & Sat
 1925 Jan 6XAD-6ZW soon begin shortwave tests to NKF Ancosta
 1925 Mar Test broadcasts for KHJ Easter Broadcasts, 6XAD approx 110
 m (2727 kHz)
 1925 Apr Programs, variable channels, 6XAD-6ZW Fri night, 5:50-6:30
 daily, after 10:30 pm
 1925 Apr Test broadcasts on shortwave preceding Easter Broadcast,
 after 11:00 pm
 1925 Apr Test broadcasts to mainland this week on 150 m (2000 kHz)
 shortwave
 1925 Apr Programming on 6XAD-6ZW on various shortwave channels
 1925 Easter (April 11 & 12) Special Easter broadcasts on shortwave,
 relay to KHJ
 1925 May Experimental broadcasts 6XAD on short wavelengths
 1925 May 30 Special 4 hour broadcast 6XAD iThe Sandman & Queen
 Titaniaî, wide area response
 1925 Jun Wurlitzer Concert on 6XAD 198 m (1515 kHz)
 1925 Jun Experimental broadcasts late afternoons 1 hr 100 & 200 m
 (1500-3000 kHz) 6XAD-6ZW
 1925 Jul 6XAD assigned 198 m (1515 kHz)
 1925 Jul 6XAD broadcasts currently on 200 m (1500 kHz, call will be
 KFWO
 1925 Jul Remote from Avalon bandstand 6XAD
 1925 Aug 6XAD is communication station
 1930 Station 6XAD-KFWO dismantled

Projected Callsign Mediumwave Station KFLM

1925 Jul 8 6XAD callsign will be KFLM 211.2 m (1420 kHz)
 CI 8-7-25 6

Mediumwave Station KFWO

1925 Jul 8 6XAD callsign will be KFLM 211.2 m (1420 kHz)
 CI 8-7-25 6
 1925 Mott station inaugurated, KFWO is broadcasting station
 RW 16-1-13 14

1925 Station KFWO located in Mott home, Clarissa St (Avenue),
Avalon
1925 Jul KFWO = Katalina For Wonderful Outings, assigned 211.1 m
(1420 kHz)
1925 Jul 6XAD broadcasts currently on 200 m (1500 kHz) call will be
KFWO
1925 Aug New mediumwave station KFWO inaugurated, 211.1 m (1420
kHz)

Flat top wire antenna

1925 Oct KFWO heard by WLW, also in New York

1927 Jan 15 & 16 Wrigley Ocean Marathon & London

Sponsored by William Wrigley Jnr, chewing gum fame, owned
Catalina Island

Swim 22 miles Catalina Island to Point Vincente, Palo Verdes LA
1 mile further than English Channel

100 entered, 17 year old Canadian George Young won, 3:00 am Jan

16

KNX remote broadcast shortwave transmitter 6XA on iAvalonî

6XA picked up by KFWO, relayed entire swim live

KNX & KNRC rebroadcast KFWO signal every 2 hour

KHJ KFON KGO KOA KMOX and other stations took overnight relay
from KFWO

1927 Frequency change, 1420 - 1370 kHz

1927 Jun 15 1370 kHz 250 w, 211.1 m (1420 kHz) FRC

Listing & RLG&CB

1928 Frequency change, 1370 - 1000 kHz

1928 Mott explored possibility of turning KFWO into a commercial
station

1928 1500 kHz 100 w, shared time KWTC Santa Anna 1500 kHz 100 w

Keller Listing

1928 FRC assigned shared time KFWO & KWTC Santa Ana, 1500 kHz
never implemented

1928 KFWO left the air, equipment donated to KWTC

1929 Disposed KFWO

1929 KFWO not listed

1930 Mediumwave broadcast station (6XAD-)KFWO dismantled

1930 KWTC became KREG, KFWO equipment at KREG replaced with new
equipment

Remote Shortwave Transmitter 6XA

1927 Jan 15 & 16 Owned by KNX Hollywood, aboard iAvalonî, Wrigley
Ocean Marathon

Picked up by KFWO, rebroadcast live many other mediumwave
stations in USA

QSL Cards

1922 Mar 6 QSL card: 20 w on 2.6 (?), 100 w on 370 m, soon 100 w on
240 m QSL card

6XAD printed card, typewritten message
1923 Nov 6 QSL card: Acknowledgement of card from amateur radio operator
6XAD-6ZW printed card, typewritten message
1927 xxy 12 QSL card, printed & written on color postcard
2010 Nov 8 KFWO QSL stamp sold on Ebay, diving swimmer

THE WORLD'S FIRST WIRELESS NEWSPAPER

Last week here in Wavescan, we presented the story of mediumwave & shortwave radio broadcasting on Catalina Island, just off the coast of southern California at Los Angeles. This week, we present another part of this same story, this time, iThe World's 1st Wireless Newspaperî.

Catalina Island is shaped almost like the big hand of a clock, pointing towards 11:00 o'clock. The island is twenty two miles long, eight miles wide, and just twenty miles off the California coast at Los Angeles. The total population on the island is around 4,000, and the main town on the island is Avalon with 3,000 residents.

One of the major problems on Catalina is a shortage of fresh water and there have been times when it was necessary to import water into the island by ship, and dispense it locally by horse drawn wagon. A moderately sized desalination plant valued at \$3 million was installed at Pebbly Beach in 1991 and this supplies 132,000 gallons of fresh water each day, processed from the salt water in the nearby ocean.

Catalina enjoys a mild sub-tropical climate and the island attracts one million tourists and vacationers each year. Naturalists tell us that there are fifteen unique animals and plants on the island, including the Catalina Fox and the Orange Tip Butterfly.

In ancient times, historians tell us, the island was inhabited by 2,500 native dwellers, known as the Tongvu people. The island was discovered in 1542 by the Portuguese explorer, Juan Rodriguez Cabrillo, sailing for Spain; and eighty years later it was rediscovered by the Spanish explorer Sebastian Vizcaino who gave it the name, Santa Catalina Island.

Catalina has been visited by Russians from Siberia, Aleuts from Alaska, and many traders from various Pacific locations. In the 1830s, the last of the native population migrated across the intervening channel to California.

Then, in 1846, the then Mexican governor granted the island to private owners. The island has since known many owners, including William Wrigley of chewing gum fame.

It was in 1864 that Pigeon Post was introduced between Catalina Island and the Californian mainland, and it took æ hour for messages to be delivered in either direction. Some thirty five years later, when the Pigeon Post was discontinued, it took ten days for the postal service to deliver stamped mail.

In 1901, Robert Marriott, Chief Engineer for the Pacific & Continental Wireless Telegraph & Telephone Co designed two sets of wireless transmitters and receivers and had them manufactured in Denver Colorado. Each wireless transmitter was rated at 2 kW.

During the following year, one set was installed at Avalon on Catalina Island with its own power generator, and another set was installed twenty six miles distant on the mainland at San Pedro, Los Angeles. Initially, the wireless station at Avalon was identified with the callsign A, and the San Pedro station was identified with the callsign G.

On Catalina, the city office was located in a small building on Ocean Avenue, the same location where the historic Chimes Tower now stands. Western Union telegraph lines connected the city office to the wireless station on the north edge of Avalon Bay.

Test transmissions between the two wireless stations, A & G, began on June 28, 1902, and the first official message from Avalon was directed to the president of the United States, President Theodore Roosevelt on August 23.

On July 4, 1910, the Avalon wireless station received the Morse messages from station TG in San Francisco, describing a boxing match in Nevada. A copy of the Morse message was recorded onto tin foil, and this recording is honored as the world's first recording of an off-air wireless message.

Ten years later, voice equipment was installed at the Avalon wireless station and a new radio telephone service was inaugurated between Catalina and the Californian mainland on July 1, 1920, a world first. The Avalon transmitter was allocated the callsign KUXV, and it is understood that the transmitter frequency was initially somewhere within what became the standard mediumwave band, though subsequently it was moved onto what was technically a shortwave channel, just above the standard mediumwave band.

However, because radio monitors could tune in to these conversations on home made radio receivers, a submarine cable was laid three years later and the radio telephone service was discontinued.

The enterprising Los Angeles Times entered into a publishing

arrangement, the first in the world, whereby news was transmitted by Morse Code from Los Angeles to Avalon, and then printed locally for sale. These news dispatches were transmitted by wireless beginning daily around 4:00 am, and by 7:00 am, local citizens in Avalon were buying a printed version at three cents a copy. The paper version of the Los Angeles Times arrived by boat in Avalon several hours later in the afternoon.

This, the world's 1st wireless newspaper was named appropriately 'The Wireless Newspaper', and the 1st edition was printed in Avalon on Wednesday March 25, 1903, exactly 110 years ago tomorrow. The news information in this single sheet stated, for example, that rain in Los Angeles had caused the worst tie up of street cars (or trams) in the history of the city; and Professor Fleming in London described his newly developed multiple system of wireless telegraphy.

This historic and picturesque wireless station on Catalina Island was perched on a hillside overlooking the Pacific Ocean. It was featured on several tourist postcards, in both black & white and in color. This wireless/radio station was in use for a total of twenty one years, and even though it is long since gone, it is memorialized in both the history of Catalina Island, and also in the developmental history of wireless in California and throughout the world as the first ever wireless station erected for commercial operation.

Catalina Avalon Wireless Station

Year	Date	Information	Reference
Pacific Wireless Telegraph Company			
		Pacific & Continental Wireless Company in operation	
1903	Mar 25	1st issue 'The Wireless' at Avalon	
1903	Jun	PWTC office, small building on Ocean Ave, Avalon	
		Transmitter on north side of Avalon Bay, own power generator	
		Western Union to city office	
1903	Aug	P&CWCo became Pacific Wireless Telegraph Company	
		Stations A Avalon, G Los Angeles, D Port Townsend WA, DA Seattle WA, SF San Francisco	
1904	Jan 10	News item, DeForest amalgamation of companies, took over PWTC	
1905		PWTC still operating as own unit, stock certificate	
1910	May	PWTC merged with 3 others, now Continental Wireless Telephone & Telegraph Co.	

Avalon Wireless Station

- 1901 Equipment manufactured in Denver CO by Castarphen Electric Co
Designed by Robert Marriott
- 1902 Construction completed, 2 sets @ 2 kW each

1902 Mainland station at Whiteís Point, near San Pedro
 1902 Jun 28 1st message sent from Los Angeles
 1902 Jul 9 1st message received from Los Angeles and written down
 1902 Aug 23 1st official message, addressed to President Theodore
 Roosevelt
 1910 Gov list; Avalon A2 1 kW 500 m & PI 2 kW 425 m
 1910 Gov list; corresponding station San Pedro DJ 2 kW
 1910 Jul 4 Reception at Avalon, SF Morse description station TG,
 oldest recording WS514
 1912 Gov list; Avalon PJ 1 kW 300 m (1,000 kHz)
 1912 Gov list; San Pedro G 2 kW
 1913 Dec Station listed as Marconi station
 1920 Jul 1 KUXV, callsign for Pacific Telephone & Telegraph Co,
 Avalon RSB 1-7-20 2
 1920 Voice circuit introduced
 1923 Jul Station closed in favor of underwater cable RB 8.743 4-26
 646
 1923 Aug 1 License expired, underwater cables took over from
 wireless station
 1926 Apr Aerial photo Avalon station RB 8.743 4-26 644
 Interior photos Avalon station

San Pedro Wireless Station

1901 Equipment manufactured in Denver CO by Castarphen Electric
 Co Designed by Robert Marriott
 1902 Construction completed, 2 sets @ 2 kW each
 1902 Mainland station at Whiteís Point, near San Pedro
 1902 Jun 28 1st message sent from Los Angeles
 1902 Jul 9 1st message received from Los Angeles and written down
 1902 Aug 23 1st official message, addressed to President Theodore
 Roosevelt
 1910 Gov list; corresponding station San Pedro DJ 2 kW
 1910 Gov list; Avalon A2 1 kW 500 m (600 kHz) & PI 2 kW 425 m
 (710 kHz)
 1912 Gov list; Avalon PJ 1 kW 300 m (1,000 kHz)
 1912 Gov list; San Pedro G 2 kW
 1913 Dec Station listed as Marconi station
 1920 Voice circuit introduced
 1923 Aug 1 License expired, underwater cables took over from
 wireless station

Wireless Newspaper

Published at Avalon, Santa Catalina Island, by Los Angeles Times
 Wireless telegraphy by Pacific Wireless Telegraph Company
 Morse Code LA Times to coastal wireless station every morning
 Transmitter by Western Union Telegraph Company
 By wireless to Avalon wireless station, then Western Union lines
 to PWTC
 Avalon newspaper manager S. J. Mathes, one of founders of Los

Angeles Times

Adds local news, published each afternoon, 3 cents per issue

Issued daily at Santa Catalina, iThe Enchanted Isle in a Summer Seaî.

Rain in Los Angeles causes worst tie up of street cars in history of city.

Professor Fleming London explains multiple system of wireless telegraph.

LA Times arrives in Avalon later in the day

1903 Mar 25 1st issue 3 column folio 8î x 11î

1st issue 1,000 copies sold out, 2nd edition prepared

Later issues 4 column

News dispatches received 4 & 5 am, printed sheets on sale by 7:00 am

2013 Mar 25 Anniversary 110 years

=====
(Adrian Peterson, AWR Wavescan scripts and reference material, March 17 & 24 via DXLD)

** U S A. 770, March 22 at 0543 UT, no Mexican, just ``Classic K-double A-M, where every song is a song you know``, then a song I don't know. Whose fault is that? Is 10/1 kW U4 Garland (The Metroplex) TX, per NRC AM Log with slogan ``Legends 77`` which apparently no longer applies (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 770, March 23 at 0605 UT, local Albuquerque ad, then dead air most of a minute; 0606 opening `Redeye Radio`` from Dallas. Usual quandary whether it's leakage from the 50 kW balloon-snagging North Valley stick, here a few degrees off its null toward NYC, or the 230-watt non-direxional Santa Fe fill-in with no separate call from KKOB; for sure, it's still not the other Redeye affiliate, WABC (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A [and non]. 780, interesting situation here March 21 at 0604 UT. KSPI Stillwater OK is still leaving its 250-watt-daytimer carrier on all-night. With WBBM nulled, I am hearing KSPI's fast SAH beating against ``Lonesome Man`` and another bluegrass song, i.e. the new KCEG Pueblo CO with 720 watts night; the two are in roughly opposite direxions.

Rotating the radio at 0606, both of those disappear, and I hear instead WBBM and something in Spanish, a Mexican with a CST timecheck I would love to identify, those two being in roughly opposite direxions. In between, KSPI makes a slower SAH with WBBM, which is rather attenuated in somewhat auroral conditions (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 780, March 22 at 0545, KCEG ID, Pueblo CO, ad for a CD(?)

``Over There`` for \$12 to a Colorado address, bluegrass music. Now the SAH with KSPI OK daytimer open carrier in the opposite direxion is slower than WBBM is with KSPI. May we assume that since WBBM employs awful IBOC, it's the one precisely on-frequency? (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 790, March 26 at 1258 UT, obscure lo-key concert band music, some sour notes, loops E/W, unusual morning fare. I bet it's KURM in Rogers AR. Yes, at 1300 ID for ``super-radio coverage`` on KURM and several FM stations too quick to copy. Was the Bentonville Concert Band, adstring of band sponsors, 1302 music resumes, but no ID of what it is and was. In the concert-band subculture there is lots of obscure modern music by XX or XXI-century composers/band directors.

By 1306, KFY0 Lubbock TX is overtaking, talking about the LSO = Lubbock Symphony Orchestra. We are not at a loss for high culture on the Llano Estacado or Walmart-land, and even in Enid we have our concert bands and symphony orchestra; and of course the Tri-State Music Festival in early May (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. I had previously heard 830 as WUMY on March 1; also as early as Feb 9 by Niel Wolfish, Ont, MARE (gh, DXLD)

WUMY-830 Memphis is currently blasting away everything else (2130 EDT), running classic country and ID after every song as Y105.5, // webstream. No comment as to whether or not is their new authorized 2 watt (!) night power. This at St. Louis, Missouri (Earl Higgins, UT March 23, ABDX via DXLD)

Thanks for the alert! Hearing WUMY-830 well here tonite in Hilton Head Island, SC. Some fading but at times very strong. I hear some religious programming on the same channel when WUMY fades. Lots of good country music with no commercials and Y105.5 ID after nearly every song. 73 - (Todd WD4NGG Roberts, ibid.)

WUMY-830 country music mixing with WCCO Timberwolves basketball game 2228-2236 CDT 22MAR13. Y105.5 "ID" 2235 CDT into more country music. (Bruce Winkelman AA5CO, Tulsa, OK, 0337 UT March 23, ibid.)

Heads up --- 830 kHz, WUMY on now 10:57 PM, very late for a daytimer? (Dean Wayman, 0357 UT March 25, ABDX via DXLD)

WUMY has a construction permit to go 8 kW ND days, and a whopping 2 watts at night. It would appear that the CP is on, but they're running the 8 kW stick 24/7, 73, (Rick Dau, South Omaha, Nebraska, ibid.)

830, March 24 at 0602 UT, WUMY Memphis TN ID, ``greatest country music ever made``; not much WCCO to compete. It's WUMY which must be nulled

to hear a bit o' 'CCO.

830, March 26 at 0505 UT, Willie Nelson singing ``All of Me``, dominant with WCCO nulled, otherwise making SAH of about 8 Hz with it, i.e. WUMY Memphis TN as first heard two nights ago, also by many others, presumably running new 8 kW nondirectional day power, which FCC still shows as a CP to replace licensed 3 kW daytime only, and also with a CP for TWO WATTS at night. That's just not enough to bother with!

But doesn't WCCO care? Some 'clear' channel. I can only hear it by nulling WUMY, fortunately close to 90 degrees apart from here, and then there is a slower 132/minute SAH from something else 2.2 Hz away from 'CCO, XEIK? (Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST)

Wonder why the FCC gave this one a fulltime CP? Ever since the breakup of the clears started in 1982, a minimum 750-mile separation from the dominant clear has been required if the station wants to be a U instead of a D. Memphis is only 701 miles from Minneapolis, so by the FCC's own rules, WUMY should qualify for only a daytime license. (Steve Francis, Alcoa, Tennessee, March 22, NRC-AM via DXLD)

The FCC's rules are actually rather more complex than that. "750 miles" is an approximation; the rule as written refers to predicted skywave signal strength rather than distance.

That having been said - WUMY does **not** have a fulltime CP, at least not as a class B. Its CP is still very much class D: 8 kW day, 8 kW critical hours and a whopping two watts at night.

Here's the showing that WUMY (then KOTC) had to provide to demonstrate that the 0.025 mV/m skywave from the two-watt operation in Memphis won't enter into the protected skywave contour (0.5 mV/m, if memory serves) of WCCO, which barely catches St. Louis and doesn't get anywhere near Memphis.

If WUMY wanted to invest in a sizable directional array, it might well be able to get significantly higher night power over Memphis, though I suspect there would also be issues with WBAP and WHAS to deal with in that case. s (Scott Fybush, *ibid.*)

** U S A. 890, March 26 at 1254 UT with KTLR OKC nulled, immediate ID for KGGN plugging its Facebook and streaming, ``News in a Minute`` from ``American Urban Radio Network``. Whence? Gladstone MO, per NRC AM Log, 960-watt daytimer. Where's Gladstone? A suburb to the north of Kansas City. This close to a border, one must research which state the antenna really inhabit. If at the center of the FCC topo map with no

pin, it's indeed in Missouri between Gladstone and Liberty. I previously logged this on Nov 26, 2010 at 1312, as in DXLD 10-48 (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. WABG-960 in Mississippi running day power --- Getting a good signal here under KMA. Station is obviously on day power, airing a combination of delta blues and R&B oldies, and using the slogan ID "The Awesome AM". CLs are heard every once in a while. 73, (Rick Dau, South Omaha, Nebraska, Kenwood R-5000 + Quantum QX Pro loop, 0228 UT March 21, ABDX via DXLD)

The one I assume heard with blues occasionally during KGWA's Fox-hole at local midnight; figured it all depended on propagational vagaries, but maybe not (Glenn Hauser, Enid, DX LISTENING DIGEST)

** U S A. 1050, March 22 at 1250 UT, ``Sedalia's number one news-talk, AM 10-50, KSIS``. Lucky Sedalia MO, small city with more than one? Not so lucky: altho it does have a lot of local or unknown talk, KSIS also propagates six hours a day of far-right wingnut liars Limbaugh & Hannity, a disservice to humanity. By now KSIS is on 1 kW non-direxional day power (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 1090, KAAV Little Rock AR; 0550-0601+, 20-Mar; ToH ID as "AM 10-90 KAAV Little Rock, a Cumulus station". Roy Masterson of the Foundation of Human Understanding -- an extremely low-key huxter -- was on till 0559 and during the previous hour. After the ToH ID, into Bro Stair, the last days prophet of God. The KAAV website program schedule lists no programs, only "Airtime Available" for all time slots. Apparently back to full power, as mainly on top but occasionally mixing with UNID sports, probably WCAR, & Mexmusic. B.S. was // 3185 WWRB Manchester TN, and with no discernible offset to 1090 (Harold Frodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, All logged by my ears, on my receiver, in real time! DX LISTENING DIGEST)

** U S A. 1230, March 24 at 0517 UT, sweep tones upward over and over, from the direxion of KSEY Seymour TX during its scheduled 2-hour DX test. This is easily audible without much QRM by tuning the DX-398 to 1232-USB, but I am not hearing any code IDs. Further:

0519 sweeps; 0523 sweeps; 0525 beeps but not code?; 0528 busy signal; 0529 sweeps; 0530 rapid beeps, sweeps. 0530 I switch to center-tuning 1230 on AM, and still hear some sweeps; 0531 slow code, but too much QRM to copy; 0533 sweeps; 0536 beeps, not code, busy signal; 0538 slow code now with partial copy: --XAS; 0542 now I copy: KSEY SEYMOUR TEXAS, more sweeps; with that I move on to other DX, but recheck 0608, sweeps; 0612 code (I am not calling this CW, because it isn't).

I never heard any music or voice announcements from KSEY but some may have been lost in the mass of graveyard QRM. The pitch and modulation level of the code IDs were much below the sweep tones, unfortunately. It's only 209 miles = 336 km from Seymour to Enid, and there are no 1230s in between. Of course we are much closer to opposite WBBZ Ponca City OK which in the daytime is a semi-local. Tnx for the test! (Glenn Hauser, OK, DX LISTENING DIGEST)

Sweep tones are clearly audible up here near Chicago at 00:10 CDT! The Test is on! (Tom Jasinski, Joliet, IL, ABDX via DXLD)

Sweep tones heard here at 0010 CDT and again at 0017. Lots of "off the hook" tones, as well, and code IDs. So loud is KSEY above everything else on the channel that I can still hear it in my headphones, which are sitting roughly 15 feet away from me as I'm typing this. :) My first Texas GYer at this location. Thanks to Saul, Jim, and Paul! 73, (Rick Dau, South Omaha, Nebraska, Kenwood R-5000 + Quantum QX Pro loop, ibid.)

Heard here too in Madison WI, followed by Morse. Another sweep tone set at approx. 0014 CDT. 73 (Bill Dvorak, Madison WI, ABDX via DXLD)

Heard sweep tones/morse IDs/"off- hook" and step tones 0010-0020 CDT 24MAR13 on my overnite recording of 1230. New here: 1230 #21. A big thank you to all that worked to put on the test! 73, (Bruce Winkelman AA5CO, Tulsa, OK, Drake R8, Par EndFedZ 43' sloper, ibid.)

Heard sweep tones, low to high, at 1:11 am, Sunday, March 24th, preceded by slow (about 8 words per minute) Morse code. Was able to decode the letter "S" Signal was just above the mud. "Wife" said the sweep tones sounded like aliens. Assume KSEY, 1230, Seymour, TX - 1 kW non directional. Distance: 820 miles (Larry Wild, Old guy from Aberdeen, SD, RS DX396, barefoot, ABDX via DXLD)

I prepped the material for the test and kept the stuff pretty simple and repetitive, so it'd be easier to log. I have confirmed reception reports already in Mobile Alabama, Northwestern Alberta Canada, Newfoundland Canada, Omaha Nebraska, Joliet Illinois.... The test ended up running until 4 am!! The automation computer glitched and instead of going back to the ESPN Radio satellite feed at 2am, it kept chugging along with the DX Test material (Paul B Walker, Jr., 0136 UT March 25, NRC-AM via DXLD)

** U S A. 1240.20, KCRT, CO, Trinidad ñ 2/10, 1130 [EST] ñ Good signal. Church service from "Holy Trinity Catholic Church, a legal ID mentioning translator K##FE (99.3 FM). Tuned there and found //. LOUD HET against KRDO others on frequency. Measured at home in Phoenix as 1240.20 kHz. Has been off frequency for at least two years now.

Undermodulated (Chris Knight, Walsenburg, CO. 2002 Pontiac Grand Prix car radio, whip antenna, DDXD West, NRC DX News Feb 25 via DXLD)

** U S A. KLYC 1260 radio to sign off Friday [OREGON]

<http://www.newsregister.com/article?articleTitle=klyc-1260-radio-to-sign-off-friday--1363636143--6929--breaking-news>

(N-R Staff) McMinnville's local radio station, KLYC 1260 AM, will cease broadcasting on Friday, March 22 at 1 p.m. ó 12:60 p.m. in symbolic station parlance.

The station has broadcast since 1949, when it was founded by brothers Jack and Phil Bladine, co-owners of the Telephone-Register. After a series of interim owners, it was purchased by Larry and Laurel "Stella" Bohnsack in 1990.

Last August, veteran California broadcaster Dick Mason moved to McMinnville and executed a local marketing agreement with Bohnsack Strategies that allowed him to assume control of the station with an intent to purchase, subject to FCC approval. However, due to antiquated equipment, the station has been unable to meet FCC certification standards, preventing the deal from closing.

Mason gave up on it last week and pulled out of the deal. In response, Stella Bohnsack, sole owner since her husband's death, announced Monday that the station would be ceasing operations at the end of the week.

"The talented and dedicated on-air staff, especially Eve Fuller and Lars Patrick, have given 1260 radio its personality and community focus," Bohnsack said. "I'm also grateful for the loyal listeners who have tuned to 1260 on a regular basis."

She added: "It has been a privilege to serve Yamhill County for over 22 years." See Tuesday's News-Register for details on how the sale fell apart (via Kevin Redding, ABDX via DXLD)

** U S A. 1280, March 22 at 0531 UT, 'ESPN Deportes' ID as I tune in. Only one found in NRC-AM Log 2012-2013 is KLDY in Washington (Seattle market), very unlikely here. That's because it was not until after the Log was printed, that WODT New Orleans (nÈe WDSU) flipped from English gospel to this network on Sept. 4, 2012, per <http://en.wikipedia.org/wiki/WODT>

As always, altho in Spanish, the letters ESPN are pronounced as in English, to forestall unfortunate penile connotations. Hey, why not? Sports-mania is a very masculine disorder (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 1350 WOYK, York PA. (Information NOT a QSL! I recently contacted a college station in York to try and get a name and email address for WOYK. I received the following reply.

``Hi Barry, I was a transmitter engineer and announcer for WOYK 1350AM many years ago. We would receiver QSL requests from Europe about once or twice a month, usually just before we would drop power from 5kw to 1 kw at local sunset, or sometime just after we raised power at local sunrise. WOYK is fully automated with sports network programming. It is almost impossible to get a verification any more, they just don't have the time or inclination to respond. There is no manager, program director or anyone running the station at all. The entire station consists of a rack of electronic equipment in the back room of another station. No local sales force, no local news or anything local except a part time tech to keep things running. You might have some luck with a twenty dollar bill in an envelope but I wouldn't chance it. 73, Tom Gibson, York, PA, WVYC, WA3HWY, and long time SWL``
Best wishes (via Barry :-) Davies, MWCircle yg via DXLD)

** U S A. DX TEST ALERT!! STATION: WKBI-AM 1400 Saint Marys, PA (and 250W/364ft translator W233BS 94.5 Saint Marys, PA)

DATE: Sunday March 31ñ 0000-0300 EDT. (Saturday Night INTO Sunday Morning) [0400-0700 UT] The test will be 60 seconds at the top of hour only right after ABC NEWS.

The 60 seconds will consist of morse code and sweep tones. The station identifies itself as "Classy 1400 & 94.5" and runs an Adult Standards / Soft Oldies format.

The DX test will be also broadcast over translator W233BS 94.5 Saint Marys PA with 250 Watts at 364 feet from an elevation of about 2200 feet. QSL requests will be accepted for WKBI-AM 1400 as well as W233BS 94.5 if you happen by some miracle/chance to hear 94.5 FM.

RECEPTION REPORTS: NO EMAILS ACCEPTED. Reports should be sent by regular postal mail only, accompanied by an SASE. Audio clips welcome on CD or mp3/wav files on USB/thumb/jump drive. Please do not send cassette tapes.

Reports must include written or printed information with the listener's location, equipment used, and details about content heard. Please note that CD's will not be returned, but if you include sufficient postage, a USB/Thumb Drive will be returned. Send reports to:

Paul Walker
C/O WKBI 1400 DX TEST
PO BOX 0

Ridgway, PA 15853

(Via Kevin Redding on ABDX via Mike Terry, mwdx yg (9/3-2013) via mediumwave.info via WORLD OF RADIO 1662, DXLD)

** U S A. Re: DX program on KFKB 1490 imminent

``Reminder at least in the Pacific Northeast to check for WORLD OF RADIO on its new affiliate, KFKB, 1490, Forks, Washington, Sunday at 1100 UT = 3 am PST this week. They confirm it did air at that time last week. See <http://www.forks1490.com/>

BTW, FCC still lists this under its previous call KRKZ:

<http://transition.fcc.gov/fcc-bin/amq?list=0&facid=28209>

an anomaly I can't explain (Glenn Hauser, OK, DX LISTENING DIGEST)``

Yeah, that station changed calls over a year ago. Last spring I was a bit confused when first hearing the station on 1490 but was able to confirm the calls via the Washington state broadcasters' site.

Sometimes the station makes it over the mountains to the Puget Sound area -- will keep an ear out for your program (Renton481, March 19, mwdx yg via DXLD)

** U S A. WAGL AM 1560 Sign Off At 6 PM --- I was listening to 50,000 watt WAGL from Lancaster, SC today and surprised to hear them sign off promptly at 6 PM EDT. [2200 UT] They are licensed for daytime only broadcast but this time of year, local sign-off or power-down is around 7:30 PM [2330 UT]. I would have thought they would try to extend their broadcast day to the maximum hours allowed for this time of year? In the past I think they did operate up until sundown and that gave many people a chance to log a station from SC during sunset skip. There are only four 50 KW stations in SC and they are all daytime-only, WBAJ-890, WCEO-840, WFLJ-660 and WAGL-1560. 73 (Todd WD4NGG Roberts, March 24, ABDX via DXLD)

As the days get longer, they usually sign off before sundown. Right after DST started, I caught them on too early in the morning, but I haven't checked lately as I'm not usually awake at that hour (Bob Smoak, Bamberg, S. C., *ibid.*)

What is the current format? when working at 1570 WQAI/WYHI/WGSR/WNNR/WVOJ Fernandina Beach, FL, I'd note WAGL 1560 a pretty strong first adjacent during many days; that 50 kW directional array really throws a wallop out my way! Sent from my iPhone (Ron Gitschier, *ibid.*)

I think it's mostly "The Music of Your Life." (Robert Smoak, *ibid.*)

Todd, WAGL has for years, signed off early when there is a lot more

sunlight in the evenings (Powell W Way, III, SC, ibid.)

** U S A. TIS/HAR, 1610, KPB732, NM, Pecos National Circle Park ñ 2/10 1437 [EST] ñ Good signal. Man with park information, loop tape, ID (Chris Knight, DXing at Glorieta, NM. 2002 Pontiac Grand Prix car radio, whip antenna, DDXD West, NRC DX News Feb 25 via DXLD)

** U S A. GRANTS FOR NEW STATIONS:

1630, WX1CFA, NJ, Lakeside ñ Granted application for an experimental station to test iCrossed Field Antennasí for digital broadcasting. Will mainly broadcast on 1630, but also may broadcast on 1640 (in the unlikely event that the longstanding application for a station in Toms River NJ on 1620 kHz is ever granted) or 1720 (to show that the antenna works on frequencies other than the design frequency, for cases of multiple stations at a single site). Power is not stated, but appears to be under 100 watts (AM Switch, NRC DX News Feb 11 via DXLD)

I thought CFAs were debunked long ago, as in Isle of Man? (gh, DXLD)

** U S A. 1670, TIS, NM, Las Vegas ñ 2/10, 1410 [EST] ñ San Miguel County Emergency Management station, good signal. Info by man on conserving water, installing smoke detectors, etc. Lengthy message. Either didn't ID or ID'd after fading out while driving down the road (Chris Knight, DXing at Las Vegas, NM. 2002 Pontiac Grand Prix car radio, whip antenna, DDXD West, NRC DX News Feb 25 via DXLD)

** U S A. New Nebraska TV station

<http://www.northplattebulletin.com/index.asp?show=news&action=readStory&storyID=25088&pageID=3>

NEW TV STATION COMING TO TOWN

by The North Platte Bulletin - 3/20/2013

North Platte will get another television station this fall, adding competition to KNOP-TV, which operates in the second-smallest television broadcast market in the United States.

Channel 10/11 television station plans to open a TV station in North Platte on or about Sept. 1, the company announced Tuesday.

The call letters will be KNPL-TV. It will be a high definition station, a CBS affiliate, and provide local news coverage and a 6:30 p.m. news broadcast, president Jason Effinger said.

The acquisition comes on the heels of 10/11's addition of KSNB, a station in Superior that has been off the air since 2009.

Channel 10/11 has served the Lincoln-Grand Island areas for nearly 50

years, known by its call letter KOLN-KGIN. The company is actually owned by Gray Communications, which also owns WOWT in Omaha as well as 40 primary channels and 45 secondary channels in 30 television markets across the country.

The station will broadcast high-definition local newscasts in the North Platte market, Effinger said.

``The addition of 10/11 North Platte is another step toward better serving the great local communities in Nebraska,`` he said.

10/11 News Director Sue Ramsett said having a statewide network means ``we'll be able to provide viewers in North Platte with local news and instant access to other news that matters to North Platte: daily Husker practice reports, updates from the Legislature, the State Fair, or Husker Harvest Days. The possibilities are endless.``

The North Platte station will feature CBS programming, including NCIS (Naval Criminal Investigative Service,) 60 Minutes, NFL football, and state programs such as Pure Nebraska and PrepZone Weekly.

KOLN in Lincoln started broadcasting 60 years ago in 1953. KGIN in Grand Island was added in 1961. The station has also been the default CBS affiliate for North Platte and west central Nebraska for decades.

KNOP-TV serves about 15,000 "TV homes," according to a 2012 Nielson national study. That is No. 209 out of 210 television markets. No. 210 is Glendive, Mont. a primarily agricultural area with just 4,000 TV homes (via Blaine Thompson, IN, ABDX via DXLD)

** U S A. NERW 3/25/2013: CROSS-COUNTRY DTV MOVES CLEARED FOR TAKEOFF
Mar 25, 2013 4 Comments

In this week's issue FCC clears the way for two new DTV signals ñ WSHU launches Fairfield pubcaster ñ RIP, iKevin the Afternoon Guy ñ Cape simulcast ready for split ñ Baseball on the Radio 2013: The Major Leagues --- By SCOTT FYBUSH

*Does NEW JERSEY need more TV service? We know plenty of Jerseyites who'd say yes ñ but there's probably not one of them who will end up being satisfied with the FCC ruling last week that will create (at least on paper) a new TV station serving Middletown Township in Monmouth County.

We've been following this story here at NERW for almost four years, starting from the day back in June 2009 when the principals behind Press Communications asked the FCC to reallocate KVVV (Channel 3) from Ely, Nevada to Middletown (and, at the same time, to move KJWY channel

2 from Jackson, Wyoming to Wilmington, Delaware.) Here's how we explained it back then:

When there's a huge prize to be had -- signals over two of the nation's largest TV markets -- there's no underestimating how far the creativity of a good communications lawyer can go toward finding an unusual way to shoehorn new stations onto the dial.

That's the long way around to explaining why NEW JERSEY's Press Communications quietly bought two tiny TV stations out west -- NBC affiliate KJWY (Channel 2) in Jackson, Wyoming and independent KVVU (Channel 3) in Ely, Nevada -- and why it's apparently poised to move those stations right into the heart of the Philadelphia and New York TV markets, respectively.

The loophole that makes those moves possible dates back a quarter of a century, to the mid-80s controversy over the lack of local TV presence in both New Jersey and Delaware. An amendment to the Communications Act of 1933 established a way for states with no commercial VHF stations -- a list that included only New Jersey and Delaware -- to gain such operations: it provided that any licensee that notified the FCC that it was willing to accept reallocation to a VHF-less state would immediately be granted a license for the moved operation, bypassing just about every other provision of the Act except for spacing requirements.

The provision was very narrowly targeted, aimed entirely at moving New York's WOR-TV (Channel 9) to Secaucus, N.J., a move owner RKO accepted in order to be allowed to sell the station instead of losing the license as part of the investigation into RKO's billing practices. But long after channel 9 made the move -- and long after it was clear that the move didn't prevent channel 9, now WWOR, from continuing to be a New York station, transmitting from Manhattan and serving the entire metro area -- the rule stayed on the books, apparently never to be used again.

With the DTV transition looming, though, the lawyers at Fletcher, Heald and Hildreth spotted an opportunity: since WWOR's digital signal is on channel 38, New Jersey would end up once again bereft of VHF stations. With the channel 2 stations in New York City and Baltimore vacating that spot, and channel 3 in Philadelphia and Hartford going empty as well, there was suddenly spectrum available for VHF allotments in both New Jersey and Delaware -- and a law on the books that appeared to give that spectrum to any station willing to make the move, just for the asking.

The FCC, of course, thought it had a way to block KVVU and KJWY (doing business as iPMCM, LLC) from making their epic cross-country moves:

not long after KVVV and KJWY applied, the Commission created two new (and highly unusual) VHF digital allotments on its own for New Jersey and Delaware ñ and it placed channel 4 in Atlantic City and channel 5 in Seaford specifically to put them far enough away that they couldn't put their transmitters in New York City or Philadelphia, as PMCM planned for its stations.

Channel 4 went on the air quickly and is now WACP-TV, running a nonstop diet of infomercials, and channel 5 holds a construction permit and is expected on the air soon. But with everything to gain and virtually nothing to lose, PMCM continued to appeal its case. Back in 2009, we told readers that iour reading of Section 331(a) suggests that the Commission would have a hard time saying noî to the move in the end ñ and not to brag or anything, but we turned out to be right. PMCM went to court seeking vindication of its theory, and in December it won a unanimous ruling from the D.C. Circuit Court of Appeals, ordering the FCC to approve the KVVV and KJWY moves.

Last week, the FCC took the first step toward complying with the court's order: it issued a pair of Report and Orders reallocating the Ely and Jackson channels to iMiddletown Townshipî and iWilmington,î respectively, and directing PMCM to submit applications within 30 days for construction permits for its new facilities.

Those facilities won't be in New Jersey or Delaware, of course: KVVV's new allotment coordinates put its new 10 kW signal atop Four Times Square in Manhattan, while KJWY's new channel 2 facility would be in the Roxborough tower farm in Philadelphia.

So what will become of the new channels 3 and 2, and how will it affect the rest of the TV dial in the region?

Please log in (at the bottom of the page) to view the rest of this column. If you're not yet a member, click here to join; your membership gives you full access to current NERW and Tower Site of the Week columns and more than a decade of searchable archives, and it costs as little as a quarter per day. Why are we now subscriber-based? Click here to read more about the reasons behind our decision. . . .
<http://www.fybush.com/nerw-20130325/>

4 Responses to iNERW 3/25/2013: Cross-Country DTV Moves Cleared For Takeoffî

The EMF station in Maine is WKVZ, not WKVF, which is in Tennessee. The filing window for the Great Translator Invasion was in 2003, not 2004. Other than that, great read. Thanks, Scott (KC9AIC, ibid.)

Both New Jersey and Delaware had full power VHF channels from the

start. They were unable to attain programming to compete with the New York and Philadelphia channels in the same markets on the meager ad billing that the NJ and De address provided. Multiple owners and even pretty large groups owned these stations and all failed and went belly up in the ventures (CBlanding, ibid.)

Some things have changed since then. KJWY's NBC affiliation was actually via an old simulcast of KPVI [Pocatello ID] that ended in 2009 after the sale. They switched to ThisTV and then Me-TV in 2012. They recently changed their calls to KJWP. WFMZ has the Me-TV affiliation in the market via 69.3, but Me-TV would probably love to stay with KJWP after the move since that would give them clearance on satellite and cable for the entire market via must carry on channel 2.

As for KVVU they're currently affiliated with My Family TV which has no clearance in NYC (KY1416, all NERW via DXLD)

** VANUATU. In 1030-1145 UT time slot of today March 22: 3945.000, AS ALWAYS EVEN Frequency: R Vanuatu, Emten Lagoon, VUT (Wolfgang B. Schel, on remote units in Far East and Australia this March 22, DX LISTENING DIGEST)

** VIETNAM. 7906-USB, March 22 at 1308, YL in English, ``all stations --- this is --- warning --- Malaysia --- Sabah`` fragments copied on weak signal, then same in Vietnamese. 1311 long series of rapid beeps and off. This is Ho Chi Minh Radio, Vietnam Coast Radio Station (VISHIPEL), with its 1305 bilingual broadcast, finally heard again.

BTW, a Google search of site:www.w4uvh.net got no hits on 7906, while a Yahoo search came right up with six entries in DXLDs from 2012 and 2013y.

7906-USB, March 24 at 1307, YL in Vietnamese and English intonations, not readable, but closing at 1310.5* after about 10 sec of very rapid beeping, i.e. Ho Chi Minh City coastal station (Glenn Hauser, OK, DX LISTENING DIGEST)

** VIETNAM [non]. 6175, March 22 at 0528, WHRI continues to insert its own agenda onto the tail of relays of secular, even atheist stations abroad, which is really inappropriate, and ultimately bad for business. After VOV with its Vietnamese lesson for English speakers at the end of its Vietnamese-language hour, WHRI has news in English of Moslems persecuting Christians somewhere, full ID with 'Onward Christian Soldiers' theme. VOV should extend its broadcasts by two sesquiminutes.

6175, March 25 at 0528, WHRI is still imposing its own stuff on the tail of VOV relay: Worldvision commercial, 0529 full ID with 'OCS'

(Glenn Hauser, OK, WORLD OF RADIO 1662, DX LISTENING DIGEST) see also USA non]

But in a week with A-13, 12005 will be taken over by Voice of VIETNAM's N American service, starting with English, 282 degrees via Woofferton, UK. Let's hope it does better than 9640 in the B-season; at least it'll get away from the REE/Costa Rica QRDRM from 9630. Is 282 the best beam WOF can manage for eastern USA, CIRAF 8? The only land it strikes is Florida around Jacksonville (Glenn Hauser, OK, DX LISTENING DIGEST)

VIETNAM/AUSTRIA/UK/USA, Voice of Vietnam A-13
30 minute program - From April 1st, 2013 [meaning English, only]

1700 WeEUR 9625 (via Moosbrunn-Austria)
1800 EUR/CeAS 7280 9730 [see below]
1900 EUR/CeAS 7280 9730
2030 EUR/CeAS 7280 9730
2030 AF/ME 7220 9550
2330 Indonesia 9840 12020
0100 EaNoAM 12005 (via Woofferton-UK)
0230 EaNoAM 12005 (via Woofferton-UK)
0330 CeAM/Carib 6175 (via WHRI)
1000 Hanoi 105.5MHz
1030 Indonesia 9840 12020
1000 Indonesia 9840 12020
1100 Laos/Thai/Cambodia 1242 7285
1130 Japan/China 9840 12020
1230 Indonesia 9840 12020
1330 Japan/China 9840 12020
1500 Laos/Thai/Cambodia/India 9840 12020 1242 7285
1600 EUR/CeAS 7280 9730
1600 AF/ME 7220 9550
1600 Hanoi 105.5

(VoV Website at <<http://vovworld.vn/en-US/introsection.vov>>
NB Frequency table doesn't display fully, but you can highlight the rows and paste into a text file to read; sites added from A-13 HFCC - via Alan Roe-UK, BrDXC-UK March 24, via BCDX March 26 via DXLD)

VOV English service published one old schedule (add is 12005 kHz). Some old mistakes there are such as 1800-1830 7280, 9730 the program is in Spanish (as in WRTH 2011); MW 1242 was closed around year 2005 etc. (Rumen Pankov, Bulgaria, March 26, DX LISTENING DIGEST) !

** VIETNAM [non]. FOR 10 YEARS, RADIO STATION A SOURCE OF INFORMATION AND ADVICE FOR THE DALLAS AREA'S VIETNAMESE COMMUNITY

<http://www.dallasnews.com/news/community-news/dallas/headlines/20130322-for-10-years-radio-station-a-source-of-information-and-advice-for-the-dallas-areas-vietnamese-community.ece>

Dallasnews.com - News for Dallas, Texas - The Dallas Morning News

ARLINGTON ó They are adrift and alone, or sometimes it feels that way.

At those times, for many Vietnamese immigrants in Dallas-Fort Worth, it helps to have someone to turn to, even if itís just a voice on the radio.

I want to go to Vietnam next month, but I just got my green card; what do I need to do? Where can I find a Vietnamese-speaking police officer? I need to get a blood test by tomorrow, but I donít speak English; what do I do?

In the last case, it was Peter and Lien Bich Dao of Dallas Vietnamese Radio themselves who drove the woman to the clinic. Is that part of their Arlington-based stationís mission? The Daos would like to believe so.

On Saturday, Dallas Vietnamese Radio will celebrate its 10th anniversary, a respectable milestone for a community outlet embraced especially by many of the areaís elderly or non-English-speaking Vietnamese.

íI listen to it every morning before I go to work,í Van Tran, a stylist at Mimiís Beauty Salon in Arlington, said as he clipped a manís graying hair. íThey talk about Dallas news.í

About 211,000 Vietnamese live in Texas, according to the 2010 census, with nearly 72,000 of them in the Dallas-Fort Worth area. As many as 60 percent of them, the Daos said, tune in semi-regularly to the station, listenable with sub-carrier-ready radios on a subfrequency of KLTY-FM (94.9).

Dallas Vietnamese Radio also live-streams online at radiovietdallas.com, giving the station an audience stretching from Waco to the Oklahoma border and beyond, including Tennessee, Virginia, Florida and Hawaii. Music dedications have even come in from Paris.

Programming is a mix of music, news, talk shows and advice on topics ranging from auto mechanics and travel to immigration and medical issues. Local content is supplemented with programming from other stations in Washington and Orange County, Calif.

Loan Ngo, a retired accountant in Arlington, turns on the station as

soon as she wakes up, listening for the latest world news. Her 94-year-old mother used to do the same before moving to Louisiana.

My kids would say, 'Grandma knows all the news about Israel, about Obama. How does she know all this stuff?' said Ngo, who came to the U.S in 1975.

But elderly people listen a lot to the channel. They listen all the time. The young people say, 'I'm so sick of it.' But they really need the information.

Ngo herself has two radio receivers tuned in - one in the bathroom so she can listen in the shower, another outside for when she's working in the yard.

Lien Bich Dao started the enterprise after nine years of radio experience with other stations and enlisted husband Peter, a retired engineer, as marketing director.

It's not always been easy: Economic conditions have made survival even more difficult for small, ethnically oriented radio stations, said Thai Dinh, a Vietnamese radio veteran who reports for BBC Radio in London.

Dinh, now assistant to the publisher at Nguoi Viet News Daily in Westminster, Calif., said the Southern California radio station where he once worked has cut programming to six hours daily, down from 24 hours a day and then 12 after that.

Another issue for radio stations is that the community's preferences are changing. People, when they come home, prefer to watch TV rather than sitting around listening to the radio, Dinh said.

The Daos said ad revenue has indeed fallen in recent years, and their staff of 12 has dwindled to three. I work more than before, Lien Bich Dao said. But, she added: I still believe I'm serving. I'm working with my heart.

The Daos have also allowed people who've lost loved ones to make on-air tributes for no charge. Such efforts prompt listeners to drop in with thank-you gifts like flowers or even home-cooked lunch.

The Daos expect nearly 350 people for Saturday's fete at A-1 restaurant in Arlington. Some are coming from as far away as New Orleans, Orange County and Washington.

The mistress of ceremonies will be frequent radio host Diem Quynh, a pharmacist who spent 15 years in Paris after fleeing Vietnam in the

late 1970s among the waves of so-called boat people.

She came to Texas to join family and pulls three-part duty for the station, hosting a French music show, a trivia show and, four times a week, translating European newspaper articles into Vietnamese.

The station's community-oriented philosophy also attracts volunteers like University of Texas at Arlington student Amy Nga Le, who hosts the station's Tuesday evening programming, doing interviews and playing a mix of Vietnamese and American pop.

One recent evening, cheek pressed to the mike, she spoke with a language professor from San Jose, who replied to submitted questions: What do you call a bike with three wheels? What's the difference between stubborn and hardheaded? How do you describe someone who wears colorful clothes?

I've learned a lot here, said Le, 31, who's been with the station for eight years. I've learned more Vietnamese. I've been corrected many times.

She does feel like she's doing a community service, especially for elderly area residents isolated by language, a lack of transportation and children who've moved away.

They're lonely, so the radio is almost like their friend, Le said. I tell them, 'I'll be your friend for half a day.' It's touching. (via Kevin Redding, March 23, ABDX via DXLD)

?! From this you'd think this subcarrier service is the only Vietnamese game in town. There are at least a couple on full frequencies, notably KRVA-1600 which is audible in OK (Glenn Hauser, Enid, DX LISTENING DIGEST) See RADIO EQUIPMENT FORUM: subcarriers

** VIRGIN ISLANDS US. 1090, WUVI, St Thomas, Charlotte Amalie ñ Format to VAR (was REL); slogan to 'The Voice of the University'; delete // WGod - FM - 97.9 (Wayne Heinen, AM Switch, NRC DX News Jan 21 via DXLD)

** ZIMBABWE. Why are Zimbabwe police seizing radios?
<http://www.bbc.co.uk/news/world-africa-21829815>
(via Terry Krueger, March 26, DXLD)

UNIDENTIFIED. 750, March 23 at 0550 UT with WSB nulled, m'sica tropical segués, no announcements; I must have dozed thru hourtop, missing an ID, as at 0602 Mexican NA is playing, 0603 dead air, 0603.6 replaced by noise for a while: Note to station: turn the main transmitter off *first*, then the STL. Note to self: try again.

Probably one of the easterners in Oaxaca, Veracruz or SLP. IRCA Log shows XERASA SLP and XETI Veracruz both close at 0600, but XECORO Oaxaca is tropical. All of them allegedly 100 or 250 watts night (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 950, Sunday March 24 at 1222 UT, with adjacent local KGWA 960 nulled, Spanish vs English preachers making slow SAH. The English is presumably KJRG Newton KS, and first guess for the Spanish is XEFA Chihuahua city, tho I would be more pleased if it were KDCE Española NM (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 1420, March 26 at 1314 UT, sounds like Don Imus, looping NW/SE but fading out half a sesquihour after sunrise here. Can't find any 1420 affiliate on Imus website in adjacent or second-adjacent states. KULY Ulysses KS is supposedly country, and KJCK Junxion City KS program schedule confirms no Imus there (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 1480, March 25 at 0600 UT I am again trying to ID the Mexican in the mix instead of KBXD. Very heavy QRM, sounds like ``La Voz del Tiempo``, maybe mentions Los Mochis, but there is no Sinaloa on 1480.

Closest match to that slogan in Cant' is La Voz del Pueblo HÒa-HÒ', XECARH, Ixmiquilpan, Hidalgo, 5 kW daytimer, which would certainly be an exotic catch. IRCA shows 2.5 kW day at 1200-2300, unknown at night. WRTH shows 2.5 kW fulltime and location as C·rdonal, Hgo., 1300-2300 in Spanish, Otomí and N·huatl (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. I have been watching a carrier on 2320 (2 x 1160?) There are no close to me transmitters on that frequency (Mike Gilchrist ñ Rural EC Iowa, March 23, dxldyg via DX LISTENING DIGEST) mornings

UNIDENTIFIED. 2620, March 27 at 1237 UT, music and English talk somewhat distorted, fade up and then out; presumably something harmonicizing from 1310. Also some JBA music on 2660, i.e. KGLD Tyler TX from 1330 kHz at 1240, really too late after 1224 sunrise here (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED [and non]. subHF details March 21, 2013: 130321, 1130, While listening for an ID on the presumed XEVT on 2909.993 v, a carrier on

2860v, which I have previously IDed as Radio San Carlos, Costa Rica (2 x 1430) came up with stronger audio than the presumed Mexican.

Another carrier was observed on 2792.850, weak, with no audio discernible.

North Korean on 2850 stronger than all of them. All at or right before my local sunrise. Looking for a quiet morning! (Mike in rural EC Iowa Gilchrist, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. Another very strong carrier with weak audio showed up this morning on 2919.822 (2 x 1460?). Based on sunrise observations and signal strengths, I would say this station is well to the east of the suspected Mexican, and was mostly faded by 1138 (Mike Gilchrist ñ Rural EC Iowa, March 25, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. Heard a mystery strong French station on 3455 kHz LSB last night from tune-in at 0015 UT to sign-off at 0055. Mainly played traditional old-style French songs but also a couple of English pop singles with good quality audio, with pauses in-between. Seemed more like a utility transmitter as background noise rose when no music or talk being aired.

Brief conversation in French between op and another guy at 0026. Plus a brief "bonne nuit", "bon Écoute" and "þ bientÙt" at sign-off 0055 which suggested a regular transmission? But no ID. More like a utility station than a pirate but which one and from where? I don't often tune around this part of the band. Anybody else heard this in the past or know which station it is? (3455 USB is an aeronautical frequency used by New York Radio but this French station was on the other sideband 3455 LSB and strength suggests from France or even closer). (Alan Pennington, Caversham, UK, AOR 7030+, 30m longwire, March 26, BDXC-UK yg via DXLD)

Heard tonight via Twente SDR in The Netherlands from tune-in at 1905 UT, at 1912 played Wicked Game by Chris Isaak but playing mainly French music. No talk or ID heard, a mystery, this one. Signal fair to good S7-S9 with noise rising between breaks in music. As noted by Alan. At 1935 changed frequency to 3445 kHz LSB. Regards (John Hoadd, Faversham, Kent, ibid.)

Strong into London at 2230 with French and English songs on 3445 lsb - big gaps in between music (Stuart Satnipper, NW London, ibid.)

I may be hearing the same station but now on 3445 kHz LSB at 2306 UT. Music without intros, French and English songs. SINPO 44434 (Mike German, Hayfield, Derbyshire, AR5000 with ALA1530 Loop, March 26, ibid.)

3455 Out-banders: Just like the old Echo Charlie Band you heard an out bander. EC is also around 6635-6695; You will find 3465 is the outbanders` calling frequencie; there are many other BANDS, some could be fisherman swearing there heads off in a deep accent, some

connecting with their wives at home. All gear is ham transceivers, been going on since 1960s, welcome to you out banders, there is a small booklet about outbanders somewhere but don't ask me where. It's been a very long time since I saw an up date. Details were in Alternative London at one time, stop smoking those banana skins type of publication (Michael Rae, *ibid.*)

I passed on your query to a number of French DX mailing-lists and got an answer from one Jean-François Lecomte, via RGLOBE. Here is my translation of what he wrote, (the original French text is at the bottom of this message):

"That band is often used by French pirates running QSOs on LSB, very much like what we have around 6660 kHz. Unlike on the amateur bands, courtesy is not present. Insults, jamming, racist talk, etc... are a frequent thing. To jam ongoing QSOs, some play music, sometimes relaying FM or Internet stations, unknown to them." I guess that solves the mystery. Regards, (R my Friess, *ibid.*)

P.S.: The Radio Globe mailing-list is open to anyone who wishes to join. So if you are familiar with the French language feel free to subscribe, just send the word "subscribe" on the subject line to "rglobe-request@dxnet.org"

At 09:57 27/03/2013 +0100, Jean-Fran ois Lecomte wrote:

Bonjour, Cette bande de fr quence est souvent occup e par des pirates fran ais qui y font des QSO en BLI. On retrouve la m me chose aux alentours de 6660 kHz. Contrairement aux bandes amateurs, la courtoisie n'y est pas de mise. Insultes, brouillages, propos racistes, etc... y sont fr quents. Pour brouiller les QSO en cours, certains passent de la musique, relayant parfois des radios FM ou des radios Internet,   l'insu de celles-ci. JFL`` (via Friess, *ibid.*)

This part of the spectrum, just below the 80 metre amateur band, is a bit of a free for all. Some of the users are legitimate maritime operators ("Fish Phones") but it's also used for unlicensed amateur-style QSOs, just like around 6.6 MHz (the notorious "Echo Charlie Net").

At a guess, you are either hearing boat skippers having a bit of fun, or land-based pirate / CB operators doing a mixture of records and chat, just like the Dutch Oom-Pah stations enjoy. The fact it's LSB suggests it's done with an amateur set up (almost all professional traffic on HF is USB, it's only amateurs who use LSB). (Mark Palmer, UK, *ibid.*)

Echo Charlie is more than just the 6.6 MHz (45 meter) band. The following are the bands I know of on HF.

86/85m 3430-3500, calling 3475 LSB
45m 6530-6700, calling 6670 LSB
21m 13900-14000, calling 13970 USB
16m 18010-18050, calling 18030 USB
14m 20900-20980, calling 20930 USB
(Alan, M0LSX, ibid.)

UNIDENTIFIED. 5066.2, Unid - ? Congo, Radio TÈlÈ Candip, Bunia, 0430 to 0435, some audio 22 March. Long wave opening same time (Robert Wilkner, Pompano Beach, South Florida, NRD 535D, Icom 746Pro, Drake R8, Drake R7, DX LISTENING DIGEST)

UNIDENTIFIED. 6985: There is an UNID on 6985 very weakly on the University of Twente websdr at 0446 with an Interval signal of a cuckoo. It has been going on for about 10 minutes but must have gone off when I was distracted by 0557. Anybody else heard this?

6985, 0445 March 26th Unid station with cuckoo call repeatedly. AM Very weak on the University of Twente websdr (Robin L. Harwood VK7RH, Norwood, Tasmania 7250, dxldyg via DX LISTENING DIGEST)

First observed in early December 2012 on 6985 and broadcasting daily around 1000 varying till 1915v with non stop pop music hits from 80s and 90s. On 00, 15, 30 and 45th minute of every hour, short ID is in English something like "Quazi Radio Short Wave". Their style is such like a previous "Mystery Radio" on 6220. I thought for long time it is alternate frequency of Laser Hot Hits Radio broadcasting on 4026 but both are with different programs. For example: 20 March 1901 UT, ID and song "Our House" by the group Madness (Rumen Pankov, Sofia, Bulgaria, March 25, DX LISTENING DIGEST)

PROBABLY is that the Radio Waves International outlet, a pop mx station with French roots? This pirate station is on the air since 1983 year or so, maybe from Irish location. 73 wb df5sx (Wolfgang B,schel, ibid.)

from the archive:

Radio Waves International 28th Birthday. From SW pirates Yahoo group.

Friday November 11, 2011 to Europe: 2100-2300 UTC on 6055 kHz.

Sunday 's early morning November 13, 2011 to USA: 0200-0400 UTC on 7420 kHz, also on ZRC Sitkunai relay site in Lithuania.

Sunday November 13, 2011 to Asia: 1330-1530 UTC on 9895 kHz.

The other {Pirate} broadcasts will take place on 48mb 6395 kHz, 43mb 6980 or 6985 kHz, possible also on 11401 kHz 26mb & 41mb.

(via Gary Drew-UK, dxld Nov 8, 2011) (via wb, current DXLD)

This is Lightning Radio, changed from 7600 in April 2012. From their website:

Lightning Radio is a shortwave radio station playing primarily indie rock and some new music. After several weeks of testing our regular transmissions were started in July, 2011. Currently we broadcast by a fixed schedule, 58 hours a week in total.

Lightning Radio is a low power shortwave radio station... The transmitter location is KecskemÉt, Hungary, transmitter power is 25 watts. Due to our power limitations, our main reception area is expected to be Europe, but we welcome any feedback from all over the world.

<http://lightningradiosw.blogspot.co.uk/>

Logged in the UK March 12:

<http://shortwavedx.blogspot.co.uk/search?q=6985>

(Mike Barraclough, March 26, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. 11740 approx., March 21 circa 1330, TADIL-A bonker like beating an anvil, intruding on the SWBC band. Who's behind this? Has infested this area sporadically for years. Fortunately at 1330-1430, NHK is in a break between Asian languages via Singapore, altho CNR2 Lingshi is supposedly running, per Aoki (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 12859.5-SSB, March 26 at 1356, encountered this during bandscan for Firedrake: 2-way in colloquial Spanish very poorly enunciated, one with constant background noise and replete with ``puta madre`` swearing (Glenn Hauser, OK, DX LISTENING DIGEST)

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#### UNSOLICITED TESTIMONIALS

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#### ACKNOWLEDGED ON WORLD OF RADIO 1662:

Thanks to William Hassig, Mount Prospect IL, for a contribution in observance of the Spring Equinox, to P O Box 1684, Enid OK 73702.

To be acknowledged futurely:

Thanks to Jan R. Schrader, Nixa MO, for a contribution to P O Box 1684, Enid OK 73702.

Thanks to Ron Howard, Asilomar State Beach CA, for a contribution to P O Box 1684, Enid OK 73702.

BTW, Glenn I love your collection of QSL cards, I miss mine! (Robin Springer, San Francisco CA, ptswyg via DXLD)

Hi Glenn, First off I want tell you how invaluable I, as well as others I assume, find your logs and postings. SO HUGE BROADCASTED THANK YOU For your efforts and work in that regard!

However I think it might be of some help to know the following information:

While I realise that different areas have different reception patterns, I was wondering a[proximately where in Oklahoma you usually listening from?? Near Oklahoma City?? In the panhandle? or perhaps some more south, or in the northeast of the state? Just a general idea would be helpful, I think.

Again I realise that for me in New York City the reception will be rather different (I deal with excessive 'noise' form all the crap that is transmitted aorund here as well as the east reception is different from midwest and also the OK/TX/etc region. but a help, I think.

Seocndly, what type of receivers do you use to listen and what kind of antenna set up? Perhaps maybe the receiver used with reception reports might be good idea?? I dunno, but heck, I ain't asking for a SINPO, LOL.

Once again, thank you so much for all you do and I also envy your QSL Card Collection! Kudos 73 (Hanley KD2CBV, ptsw yg via DXLD)

Hanley, thanks for your kind words. I am located in Enid, which is about 100 km NNW of Oklahoma City. We are just about at the east-west midpoint of America, which means we get the best (or is it the worst) of reception compared to either coast.

I think a lot of what I report is in spite of rather than because of a good location; also long experience and persistence. My equipment is certainly nothing special, either. Main receiver is a Yaesu-Musen FRG-7, unmodified, with a longwire of about 30 meters mostly east-west. For frequency measurements, paralleling and simultaneous monitoring next to it are a DX-398 and a YB-400, both with shorter interior wires clipped on. The DX-398 also operates portable on battery power outside on the porch, with another short wire strung around the eaves. Under certain circumstances this works better than the FRG-7, e.g. when there are noisy computers or TVs running in the house. You don't have to be in a major city either to confront ``excessive noise`` from powerlines and the neighbors. I also have several other portables around the house and in the car. I sometimes mention in a log which

receiver I am using if it is significant.

My online QSL gallery is only a fraction of my entire collection, most of which were accumulated many years ago when I was actively QSLing. The few I have received lately for special events., etc. are routinely scanned or duplicated if e-QSLs.

I've enjoyed the 'Radio Japan' thread from you and others, and if I can ever find the time to improve your typing will put it in DXLD. 73,  
(Glenn Hauser, ibid.)

#### PUBLICATIONS

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A13 schedules are now available on the HFCC web site:

<http://www.hfcc.org/data/a13/index.phtml>

Some of these might not be the final versions but should be a good guide as to the new schedules - valid from 31 March. 73s (Dave Kenny, BDXC-UK yg via DXLD)

UPDATED LIST OF LA MW OFFSETS COMPILED BY JARI VANHATALO. See:

[http://kotisivu.dnainternet.net/b001mnbvc432/LATTARIT\\_0101\\_2013.xls](http://kotisivu.dnainternet.net/b001mnbvc432/LATTARIT_0101_2013.xls)  
(Mauno Ritola via MW Offsets Yahoo Group via NZ DX Times via DXLD)

WORLD OF HOROLOGY See also MEXICO

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All About WWV Stations ---- Click here:

<http://tf.nist.gov/general/pdf/1383.pdf>  
(via Bill Smith, WOWOI, March 27, DXLD)

#### MUSEA

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ANTIQUÉ WIRELESS MUSEUM --- Latest AWA News March 2013 News

The following are notes of interest to AWA Members and other interested individuals. Please pass along this message to anyone you know may be interested.

From Bob Hobday:

As the first phase of the new AWA Museum is nearing completion, this funding is for phases 2 and 3 to complete Building 1 including the 60 seat auditorium. The last phase would be for all the site work, i.e., parking, landscaping, road to Building 3, etc.

The following URL is a link to our new fundraising campaign.  
<http://www.indiegogo.com/projects/antique-wireless-museum-preserving-history-for-the-future/x/2358145>

From Marc Ellis:

The Spring issue of Gateway is now on line. This issue includes operation of the grid leak detector, evolution of the Superheterodyne, histories of the "Fada" radio brand and the Lone Ranger radio and TV broadcasts, more on short wave listening and construction progress on the new AWA Museum. Also, debuting in this issue is a new book review column focusing on books especially helpful to those newly interested in vintage radio history and restoration.

You can access this latest issue (and previous issues) using the following link:  
<http://www.antiquewireless.org/gateway.htm>

Don't forget the Spring Meet and new AWA Museum preview on Saturday, May 4, 2013.

#### Contact Information

For general comments or questions about the AWA or the AWA Museum, contact Deputy Director Bob Hobday, N2EVG at [N2EVG@arrl.net](mailto:N2EVG@arrl.net).

Antique Wireless Association  
P.O. Box 421  
Bloomfield, NY 14469  
(585) 257-5119

Your query or question will be addressed promptly by a volunteer or club officer. We want to hear from you.

Here is a link to the New Museum's Development.  
<http://www.antiquewirelessmuseum.com/>

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Our mailing address is:

Antique Wireless Association  
P.O. Box 421  
Bloomfield, NY 14469  
(via Dick Pache, DXLD)

EMPIRE OF THE AIR

Members. If you have not seen it try and view the video or DVD of

Empire of the air - its a history of radio who made what type of thing, very American but interesting, you will be surprised as to who is The Father Of Radio, to my mind not Marconi. What is very interesting is that radio was only around for 15 years before TV took over. Mike - Maldon in Essex. Note I have no link to the filming.

You can see parts of Empire Of The Air on You Tube under the title of - First Commercial Radio Station. Good luck in following it all; hope its all there. Found a UK seller who has 3 of Empire Of The Air on DVD - all others are US format. Ebay item number is 310553834816 (Mike Rae, BDXC-UK yg via DXLD)

'Empire of the Air' was shown on BBC2 back in August 1996 according to a video sat on the shelf here! (Alan Pennington, moderator, ibid.)

#### LIBRARY OF CONGRESS PICKS VOA'S MUSIC TIME IN AFRICA FOR RECORDING REGISTRY

WASHINGTON, D.C. - A 1973 recording of Voice of America's longest running radio show, Music Time in Africa, has been inducted into the Library of Congress' National Recording Registry.

The show, created by longtime co-host Leo Sarkisian, takes its place in the registry with newly inducted recordings by Chubby Checker, The Bee Gees, Pink Floyd, Simon & Garfunkel and some 300 others that have been chosen since 2000. Each year, 25 recordings are selected based on their cultural, historic or aesthetic influence.

Music Time in Africa first aired in 1965, making it VOA's longest-running English-language show.

The July 1973 program inducted this week by the Library of Congress featured Sarkisian discussing and presenting music from Mauritania. Throughout his career, Sarkisian recorded music from every nation on the African continent, as well as Bangladesh and Pakistan. The show still relies on those recordings to highlight music from different regions.

"I still keep up with what VOA is doing every day," Sarkisian said in a telephone interview from his home in suburban Washington. "It was such a big part of my whole life. The best feeling I can have is to see all of the wonderful things that VOA is doing for Africa."

Heather Maxwell, the current host of Music Time in Africa said, "This Library of Congress honor is significant because it proves how important pan-African music and culture is to both American and African nations. It also shows how music has nurtured the friendship between these countries since the show started in 1965."

"Congress created the National Recording Registry to celebrate the richness and variety of our audio heritage, and to underscore our responsibility for long-term preservation [so that] this legacy can be appreciated and studied for generations," Librarian of Congress James H. Billington told The Hollywood Reporter.

When Sarkisian retired in 2012 at the age 91, his original library numbered more than 10,000 one-of-a-kind, reel-to-reel recordings. "It is one of the most valuable and sought-after collections in the world," said VOA Director David Ensor. The recordings are currently being digitized and stored in the library of the University of Michigan (VOA PR via DXLD)

PROYECTO FENIX: DIGITIZING OLD CASSETTES FROM ARGENTINIAN DXER OM  
JULIAN ANDERSON

Argentinian DXers Daniel Camporini and Julian Anderson are joining efforts to digitize a huge number of cassette recordings the later has preserved in his collection. Look at this photo (watch it full size in order to better read the details...) Things like these appear in places like Facebook, no other.

<http://static.dyp.im/zz2DYIwIi5/75eccab804ed4888abe436fce2e015e9.jpg>  
(Horacio Nigro, CX3BZ, "La Galena del Sur", Montevideo, Uruguay, March 26, dxldyg via DXLD)

#### CONVENTIONS & CONFERENCES

\*\*\*\*\*

AMATEUR RADIO AT THE NATIONAL HURRICANE CONFERENCE IN NEW ORLEANS  
<http://forums.qrz.com/showthread.php?384573-Amateur-Radio-at-the-National-Hurricane-Conference-in-New-Orleans>

All hams are invited, at no cost, to attend the Amateur Radio sessions of the Conference on Monday, March 25 at the National Hurricane Conference. The Conference will be held March 25-28 at the Hilton New Orleans Riverside in Louisiana. There will be a total of three Amateur Radio sessions on Monday March 25, 2013.

Session 1: at 10:30 am to 12:00 p.m. This session will cover the Amateur Radio response to Hurricanes Sandy and Isaac.

Session 2: at 1:30 p.m. to 3:00 p.m. This session will cover Amateur Radio Operations at the National Hurricane Center, WX4NHC Weather Initiatives, WX4NHC Haiti Earthquake Mission, VoIP Hurricane Net, Hurricane Watch Net and will feature the Director of the National Hurricane Center Dr. Rick Knabb as guest speaker.

Session 3: at 3:30 p.m. to 5:00 pm. This session, is entitled "Amateur Radio Rap Session - The Emergency Manager's Hidden Resource." This session is for Emergency Managers to meet with Amateur Radio Operators and discuss disaster communications for mutual benefit.

All sessions will be streamed live and recorded at:  
<http://www.nsradio.org/stream.htm> and  
<http://www.voipwx.net/files/stream.htm>  
courtesy of Jim Palmer KB1KQW

All are welcome, there is no registration fee required to attend these Amateur Radio sessions

John McHugh, K4AG,  
WX4NHC Coordinator for Amateur Radio,  
National Hurricane Center  
Miami, Florida  
(via Mike Terry, dxldyg via DXLD)

Problems with the stream. They're trying to get it resolved.  
[later: 1616 UT:] Much better now and is being hard recorded to be posted later.  
<http://www.ustream.tv/channel/nhc-13>  
(Thomas Horton, LA, March 25, ibid.)

DIGITAL BROADCASTING --- IBOC See also USA: KCEG/WBBM  
+++++

HD RADIO BY THE (DISPUTED) NUMBERS

DIYMedia's John Anderson:

"The Pew Research Center's Project for Excellence in Journalism has released its annual State of the Media report, and it does not have kind words for radio.

"It laments the decimation of radio journalism and documents how other digital audio platforms are gaining traction at the expense of broadcasters. It also minces no words about the state of HD Radio."

<http://diymedia.net/archive/0313.htm#032013>  
(via Benn Kobb, March 22, dxldyg via DXLD)

MORE ALL-DIGITAL AM TESTS PLANNED  
by Leslie Stimson on 03.12.2013  
<http://radioworld.com/article/more-all-digital-am-tests-planned/218248>

More all-digital AM IBOC tests are anticipated this year.

Initial tests were completed in November and December by a group of engineers from NAB Labs, CBS Radio and iBiquity Digital, with assistance from Harris Broadcast Communications and Kintronic Labs. The results have yet to be made public. The aim of the testing was to verify whether the AM signal coverage and robustness are improved with an all-digital signal and to quantify any change.

While NAB Labs is cautiously optimistic about the results, its head, NAB Executive Vice President/Chief Technology Officer Kevin Gage, tells me the initial findings need to be corroborated. Hence the need for more trials, to get repeatable results and to test the all-digital AM IBOC signal, both indoor and outdoor coverage ó day and night ó on stations in various locations using various power levels and equipment configurations.

Members of the Digital Radio Subcommittee of the National Radio Systems Committee received a briefing on the initial tests at CES in January; the NAB Radio Board was briefed shortly after. There will be a paper about the testing at the spring NAB Broadcast Engineering Conference, given by David Layer, senior director of advanced engineering at NAB. That session is slated for Monday, April 8 at 4 p.m., when presumably more details of the test results will be revealed.

For indoor tests, the group used an Insignia Narrator receiver. Mobile tests were also conducted, with the all-digital signal turned on and off for both.

The test station was CBS-owned WBCN(AM), Charlotte, N.C., a 10 kW day/1 kW night non-directional at 1660 kHz. WBCN was chosen because CBS Radio volunteered it, Gage told me, though engineers from radio groups other than CBS attended the tests. In an interview, he said a handful of stations have volunteered for the next round; he couldn't say specifically how many stations are needed because the test plan was still being defined as of mid-February.

The next round of tests may occur by early in the second quarter. However, iThere is nothing final, and that can change rapidly,i he said.

#### MUCH TO EXPLORE

Sources have expressed a range of descriptions when they characterize the results to me. One said they were good, another that the WBCN results were inearly flawless.i

Gage was more cautious, saying only that the all-digital at least

matches the analog contour. He stressed several times that the test results need to be corroborated. Noting that WBCN is on the expanded band portion of the AM dial, he said the results were positive enough for us to move forward with the next round of testing so we can see the effect across the entire band.

That is in line with what one engineer suggested when I reported on these developments recently on the Radio World website. Digital AM should be tested on complex directional arrays, like WXYT(AM), Detroit, as well as on the omnidirectional so-called "graveyard" channels such as 1230 kHz," the engineer wrote.

NAB Labs is moving forward with defining a complete test bed, said Gage, who calls himself a "constructive destructor." His job is like that of a technology scout for the broadcast lobby, to look forward and anticipate how broadcasters can remain relevant and provide products consumers want. Once getting the okay from the board, NAB Labs can move forward with test locations based on its requirements, he added.

Within the test group, broadcast engineering consultant Dennis Wallace of Meintel, Sgrignoli and Wallace was among those participating for NAB Labs. CBS Radio Senior Vice President of Engineering Glynn Walden helped establish the test plan and observed the daytime testing; Market Engineering Manager Alan Lane took part as well, especially preparing the transmitters before testing. IBiquity Digital Field Test and Implementation Manager Russ Mundschenk also participated.

## OPTIONS DISCUSSION

The FCC in 2002 approved implementation of the so-called "hybrid" HD Radio technology, meaning that U.S. AM and FM radio stations could broadcast digital on their existing frequencies, along with their analog signals, if they wished. Going "all-digital," in either band, was seen as an option for a distant future, one that would require further regulatory changes.

It has been some 10 years since there was any testing of the all-digital AM IBOC system. Should the agency ever approve implementation of all-digital AM IBOC, it would first need data about the technology's performance. Proponents hope the information gleaned from tests would help to establish interference criteria and allocation rules.

Meanwhile, though much industry attention in recent years has focused on digital FM power levels and digital data, IBiquity officials recently told me they're making incremental improvements in the AM system, including working on better antenna solutions.

Going all-digital with AM is one of several AM technical improvements mentioned in a report from the NAB Technology Committee to the NAB board. The report has never been released publicly. When asked about that, NAB spokesman Dennis Wharton said ultimately it will be the board's decision, but it is not envisioned to be released in its current form. Last fall I reported that several engineers told me the report would need to be revised for consumption by a non-technical audience.

Gage confirmed NAB Labs has several radio and television projects underway, including AM initiatives, as well as software development projects, but he declined to elaborate.

I've been asked why is NAB being so opaque about the AM issue. To get stuff done is the short answer. A longer answer would be: To get stuff done in an environment where ideas and projects can be encouraged and honestly debated and sometimes fail in private, rather than in an arena in which ideas are instantly criticized, causing people to stop contributing their thoughts. Or so several sources tell me.

Certainly, the possibility of someday allowing AMs to go all-digital is controversial; and NAB has radio group members both big and small who don't agree on any best course for the future of AM, let alone on all-digital AM technology. However shining a light on the process couldn't hurt and might even help the cause.

As to the industry's ability to understand the technical options: If the NAB board can understand them, I suspect the radio industry can. By waiting several months to release details, NAB gives the impression that decisions are made by a select group and provides fuel for those who trash anything IBOC-related.

Whether the report is released soon may become moot, though, because Commission Ajit Pai and others are now bringing more of those options into the public's view on their own. It will be interesting to see what he and the panelists have to say on their session on AM initiatives at the upcoming NAB Show -- (via Mike B., Enfield, CT USA, WTFDA via DXLD)

All digital AM is an economic and in many cases technical non-starter for most. Nothing else to say about this (Russ Edmunds, WB2BJH, 15 mi NW of Philadelphia, ibid.)

DIGITAL BROADCASTING --- DRM See also AUSTRALIA; BANGLADESH; GERMANY;  
+++++ INDIA; JAPAN; KOREA NORTH; KOREA SOUTH;  
NEW ZEALAND; NIGERIA; RUSSIA; SPAIN; VIETNAM [some just peripherally]

## NXP INTROS RECEIVER TO DECODE DRM, DAB, HD RADIO & GERMAN STUDENTS PROTOTYPE DRM+, DAB+, VHF FM RECEIVER

Two articles on DRM radios that recently appeared at Radio Magazine Online. You may have seen one or both of these. While I have a high degree of skepticism on all things DRM, since each of these has a link back to India and it's move to use DRM as the standard digital mode for broadcasting, it may mean that we get DRM radios to market there. If that happens, one or two of them may make it to North America or Europe by gray market channels. I wouldn't hold my breath that shortwave coverage will be included.

[http://radiomagonline.com/digital\\_radio/  
german\\_students\\_prototype\\_drm\\_dab\\_vhf\\_fm\\_receiver\\_0318/](http://radiomagonline.com/digital_radio/german_students_prototype_drm_dab_vhf_fm_receiver_0318/)  
[http://radiomagonline.com/digital\\_radio/  
nxp\\_intros\\_receiver\\_to\\_decode\\_drm\\_dab\\_hd\\_radio\\_0315/](http://radiomagonline.com/digital_radio/nxp_intros_receiver_to_decode_drm_dab_hd_radio_0315/)  
-- (Rob de Santos, Swprograms mailing list via DXLD)

Rhetorical question follows: Even if the DRM radios have shortwave, will there still be any shortwave broadcasters worth listening to in North America? (Joe Buch, *ibid.*)

I'll be foolish enough to take the bait:

And a second question, will there any DRM-capable transmitters left that can reliably reach North America? With the impending closure of the Montserrat site, that leaves only the USA's private SW broadcasters and perhaps a half-dozen European sites as capable of reliably reaching Eastern North America in "armchair" quality -- which is what DRM would likely require for a casual receiver -- during most primetime listening hours.

The European sites I can think of would include Noblejas, Spain; Woofferton, UK; Grigoriopol, Moldova; Cerrik, Albania; Galbeni and Tiganesti, Romania; also, Wertachtal and Nauen, Germany.

As to what's "worth listening to", that's a subjective question, certainly a lot less than even a couple years before. Caution, topic drift follows:

The interesting trend of the past couple years, to me anyway, has been the widespread acceptance of the "TuneIn" station directory and listening platform, especially on smartphones and tablet computers. TuneIn is available on the Android, Blackberry, Windows Phone, and iPhone platforms for smartphones, most Tablet platforms (iPad, Kindle, Nook, Android), "smart" TV devices (e.g. Roku), and of course PCs. I know my own kids have discovered radio from other countries this way.

And while that doesn't do one bit of good for someone who doesn't have any of these devices and only has radios, the word "widespread" above is critical for a broadcaster eager to get a message listened to here in the USA.

Another interesting wrinkle is the "AudioNow" concept of offering radio feeds via telephone. That's not a new concept, but my own cellphone contract recently changed to cap my cell network data consumption yet allow unlimited phone minutes.

Yeah, I wandered off the DRM topic by quite a bit, but -- if I'm willing to change how I look at the world of broadcasting -- there is still hope out there (Richard Cuff / Allentown, PA USA, *ibid.*)

Richard, Thanks for the list of sites that may remain in another year. Your list did not include Radio Havana Cuba (RHC). I have not heard of any plan to put Arnie Coro in the unemployment line.

Tests run by RCI and others have demonstrated that DRM via shortwave is only reliable enough for drop-out-free reception on paths involving a single ionospheric hop. The maximum single-hop distance is limited by the height of the ionosphere and the curvature of the planet. That produces a maximum single-hop distance of about 2800 miles based upon an ionospheric height of 400 miles and a zero degree elevation takeoff angle. Lesser ionospheric heights or higher takeoff angles result in shorter single hop distances. (Reference: K. Davies, "Ionospheric Radio Propagation," National Bureau of Standards Monograph 80; 1 April 1966 which is reproduced in my copy of Reference Data for Radio Engineers, Figure 9 of chapter 26, in the 1968 edition published by Howard Sams.)

RHC is the only remaining broadcaster with a shortwave plant outside the USA but inside this limited range to cover North America in a single hop. Another rhetorical question: Assuming DRM shortwave receivers were available in North America, would the Cuban government want to earn some hard currency by relaying the programming of others in DRM format? They have a long history of doing it in analog format for Communist regimes desiring to reach the capitalist masses via shortwave. Maybe with the inevitable demise of the Castro brothers, Cuba might desire to broaden its philosophical emphasis in the interest of getting more hard currency. The only other broadcasters meeting the distance criterion are inside the USA and they are legally prohibited from targeting domestic listeners, but they in turn have a long history of ignoring that restriction by targeting Canadians on paper.

So possibly DRM could be an option for RHC or US domestic stations desiring to develop customers outside the bible-thumping universe.

(Joe Buch, ibid.)

Heh - as Joe Buch reminded me, I forgot good ol' RHC. Given the sloppiness of their transmitter operation - which Glenn Hauser chronicles quite well - I shudder to think what mess RHC would make of any bands on which they were operating in DRM mode. RC (Cuff, ibid.)

And, shudder, if there were DRM-capable transmitters in Cuba, it would be far too tempting to employ them as jammers like the Ethiopians. 73, (Glenn, ibid.)

DIGITAL BROADCASTING --- DTV See also OKLAHOMA; USA

+++++

ANTENNAS, DTV RECEPTION PROBLEMS

<http://www.matchmaster.com.au/domestic/combination-antennas/01mm-sq01>

Is this what you mean by "square indoor amplified beast"?

These are our bane. I work for a station which broadcasts on channel A10 (pretty much the same as channel 8 in Australia). Viewers who buy these antennas tend to have significant issues with our channel (even within 15 km of the tower -- and we're broadcasting at 42 kilowatts). They generally also have problems with PBS, on what would be Australian channel 7.

When I tell them to replace it with a plain old set of rabbit ears, they generally call back & say that not only does our station come in perfectly, but so does PBS -- and often, four or five other channels they didn't know about.

I think the amplifiers are part of the problem. At least over here, people seem to think that an amplifier automatically means better reception. They don't understand that digital signals can be \*too strong\* -- that if they overload the amplifier or receiver, there will be \*no reception at all\* (again, see the replacing an amplified antenna with rabbit ears thing :) )

That, and note that Band III happens to coincide with the second harmonic of FM radio. Using one of these within maybe 5km or so of a 50,000-watt (or more) FM transmitter stands a pretty good chance of wiping out whichever Band III channel happens to encompass the 2nd harmonic of that FM station.

The other thing to note: is that probably the biggest difference between your DVB digital TV system and our ATSC is the modulation method. DVB is said to be far more effective at overcoming multipath

in indoor-antenna installations (at the expense of it being far more difficult to generate high powers for large area coverage from a single transmitter) ñ (Doug Smith W9WI, Pleasant View, TN EM66, March 23, WTFDA via DXLD)

RADIO EQUIPMENT FORUM  
+++++

#### MW LOOP ANTENNAS

The following MW Loop antenna compilation is the best I've seen so far. The manual available at [http://www.iw5edi.com/ham-radio/files/AM\\_loop\\_antennas.pdf](http://www.iw5edi.com/ham-radio/files/AM_loop_antennas.pdf) totals 355 pages of information. Another site also has the loop manual, and includes additional antenna designs See: <http://www6.zetatalk.com/docs/Radio/Antennas/>

All files are PDF format. Some DXer did an excellent job in compiling these individual MW antenna articles for inclusion in one large manual (Todd Emslie ICDX AM Yahoo Group, via NZ DX Times via DXLD)

THE ENERGY-SAVING LED BULB THAT SWITCHED OFF THE RADIO. Which? By Becky Pritchard, Senior Home Researcher Energy & Home 17 March 2013 [http://conversation.which.co.uk/energy-home/led-bulb-radio-interference-dab-test/?cmp=W0413\\_convo\\_lightnoise](http://conversation.which.co.uk/energy-home/led-bulb-radio-interference-dab-test/?cmp=W0413_convo_lightnoise)

We get sent some weird and wonderful tales of products going wrong, but one story piqued our interest so much that we just had to send it to the lab to test it out. Can you help us shed more light on the mystery?

Last year we received this intriguing message:  
"I recently changed six halogen down-lighters to more energy efficient LED bulbs. Unfortunately when the lights were switched on, the DAB signal on my radio was wiped out!"

To try and figure out this conundrum, we sent a batch of cheap, generic 12V LED bulbs to our lab and found that when a digital radio was placed within a few metres of the switched-on bulbs the signal went fuzzy. When the radio was placed within a few centimetres of the LED bulbs, it cut out all together.

LEDs are ultra energy efficient light bulbs that can last up to twenty years and have been hailed as the future of home lighting.

It seems our members are not the only ones who have had this problem. There are other accounts of LED bulbs affecting radios, with AVForums also collecting stories. Nick Tooley shared his experience:

ëI had the same problems with LED bulbs wiping out DAB reception and tried several types of bulbs, but to no avail.í

And it seems that the issue may not just be limited to digital radios ñ TVs may also be affected. After fitting LED down-lighters in his kitchen, Jackord noticed the following problem:

ëWhile the lights are much better, we then by accident noticed that the digital TV would not work (I was complaining that we had no reception at all, did not make any sense, began to think that there had been some sort of catastrophic disaster which stopped the TV stations from broadcastingölol) then someone turned off the ceiling lights in the kitchen and, hey presto, on came the TV.í

So what bulbs are affected? We tested three 12V generic LED bulbs and we also compared them to branded 240V GU10 LEDs and some halogens. We found only a very minor interference with our radio signal. So at this stage, the issue seems to be limited to cheap knock-offs rather than branded goods.

Weíve only done preliminary tests on this problem, so canít make any concrete conclusions on why this is happening or how widespread this bizarre problem is.

Thatís where you come in. We need your help ñ have you had this problem? If so, please enlighten us in the comments below, including what model bulb you were using and where you bought it (via Mike Terry, dxldyg via DXLD)

For years, the cheap Compact Flourescent Lights (CFL) have been interfering with AM reception in the medium-wave band. Its a brand issue, and one particular brand has in my home shown much less interference. One clue is how hot the base gets. The cheap brands get hot (50-70C), the better circuits stay under 50C. For those that want names, here they are: GE is hot, Sylvania is not. And a reminder that heat is also a waste of electricity.

Most computers (and their LCD and or LED displays), modems and routers also have high AM-BCB interference, and have been interfering up to 10,000 kHz for many years. All new technology has been trying to kill older technology, how human (Paul S. in CT, dxldyg via DX LISTENING DIGEST)

FM SUBCARRIER SERVICES AND RECEIVERS [see USA: Dallas Vietnamese]

I'm never able to find sub-carrier receiving systems. In fact, I've long been under the impression that most of them are used for piping

in background music for commercial complexes or something similar. I've also heard of services for the blind that are on sub-carrier frequencies, but I've always been told that sale of such equipment isn't open to the general public.

Am I wrong? I'm pretty interested, since it seems that these Vietnamese Americans would be able to buy such receiving equipment on a fairly regular basis. I'd like to explore what sort of ethnic services were available in my own community if you happened to have more information.

A quick search seems to indicate that Coby makes a subcarrier radio that's fairly easy to acquire. If anyone made a device that could receive AM/FM/Shortwave and subcarrier I'd be pretty interested. Maybe there's someone here on the boards who could help me out (Narvorr, ABDX via DXLD)

Services for the blind are the biggest users of SCS. I have a radio that receives subcarriers in my office. I never use it but its here. In the country where I live, there is no service but in towns and cities you may find something. This equipment is open to anyone. You are right though, Muzak used SCS to send its signals for elevator music and shopping music in stores.

The biggest supplier was a fellow named Bruce Elving but he has passed on a couple of years ago. Best chance is to get one off ebay when they show up. His units were fairly decent but seemed to degrade the AM section of the radio somewhat when he added the decoder cards. Mostly he had his students build the cards and put them into various radios. Bruce was a college professor.

If you found one made by Coby then thats what you need to get. Be forewarned though, a lot of the SCS services seem to be moving to HD radio. That said, IMO HD is a bust and will eventually die (Kevin Redding, Crump, TN, ABDX via DXLD)

A Coby SW radio I got was crap (gh, DXLD)

Since background music services used SCS to send shopping music to stores I was always under the impression that you had to pay some sort of subscription fee to legally access any of these services. I guess that I was wrong about that. The only service that I'm aware of in my area is a reading service for the blind.

Do you know of any site or publication that lists SCS services? I might pick up the Coby radio if there were something to listen to, since it would at least be pretty interesting. For the record I consider HD radio a bust. I think I mentioned before that I had tried

to ask for an in-store demonstration of an HD radio receiver and we were actually only able to get a lock in on one of the HD feeds in my area. The sales associate actually proposed moving the rig outside, but that did not help either.

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END OF HIGH POWER MW? with Steve Whitt

Looking back/looking forward ñ the end of high power MW? Rather like a frog in slowly heated water does not realise his situation, perhaps we have not realised that high power MW broadcasting in Europe has largely vanished under our noses. This is probably because individual transmitters switched off or reduced power one by one and often with little fanfare or publicity.

With several more transmitters going silent as I write this (see World News) I thought I would reflect on the loss of high power stations in the last 10 years.

Three factors are at play here. Firstly the pressures of the Cold War are long gone, so the need for high powered trans-national broadcasting from East-West and vice versa are no longer with us.

Secondly, the cost of operating high power stations has risen inexorably due to rapidly increasing cost of electricity.

Thirdly the audience has evaporated. Radio audiences have largely migrated to FM and younger audiences today are more likely to use an mp3 player or listen to music off YouTube, Spotify or last.fm than a traditional radio.

An incomplete list of recent losses (with date of closure):

|                               |                            |
|-------------------------------|----------------------------|
| 540 Belgium 150kW 30/3/08     | 1296 UK 500kW 11/5/12      |
| 558 Switzerland 300kW 30/6/08 | 1314 Norway 1200kW 30/6/06 |

|                               |                                 |
|-------------------------------|---------------------------------|
| 567 Ireland 500kW 24/3/08     | 1332 Italy 600kW ?              |
| 648 UK 500kW 27/3/11          | 1359 Spain 600kW ?              |
| 765 Switzerland 600kW 5/12/10 | 1386 Kaliningrad 1200kW 1/11/07 |
| 846 Italy 1200kW ?            | 1476 Austria ? 31/12/08         |
| 1089 Albania 150kW 3/2/06     | 1512 Belgium 300kW 30/3/08      |
| 1179 Sweden 600kW 30/10/10    | 1530 Vatican 300kW ?            |
| 1260 Greece 500kW 25/4/06     | 1539 Germany 700kW 31/12/11     |
| 1287 Slovakia 400kW ?         | 1593 Germany 150kW 31/12/11     |

You will also notice that the closure of many of these stations represented the end of all MW broadcasting from a particular country (e.g. Austria, Sweden & Switzerland).

The Prognosis? The outlook for the future is not promising. There is little chance that DRM will revitalise the high power market in Europe. Broadcasters are looking to cut costs at every opportunity, so high power & high maintenance transmitters will be withdrawn, especially if audience numbers are small and declining.

I don't think matters are so bleak for lower power stations. A modern 1 kW solid state transmitter is not expensive, is reliable and needs little space (the antenna does though!). Countries which had many high power transmitters (e.g. Germany) have seen a shift to low power stations. In other countries with many low power stations (e.g. Spain & the UK) there has only been limited closure of transmitters.

In fact in the UK there has been expansion of community radio stations with many operating low power on MW. For a station running low power, the cost of the transmitter chain forms only a small proportion of its total costs, assuming it has its own staff and local programming. That of course explains why many local radio stations (especially in the UK) have moved to networked programming, creating MW networks like Gold or Magic in the UK.

So the short term future in Europe seems to be one of networked low power MW transmitters rather than mega-powered iborder blasters. Beyond that the long term future of MW remains uncertain (Steve Whitt, UK, Medium Wave News 58/08 10 January 2013 via WORLD OF RADIO 1662, DXLD)

PROPAGATION  
+++++

VOACAP TECHNOLOGY/PROPAGATION/PDF

Click here:

<http://www.arrl.org/files/file/Technology/propagation/Voacap.pdf>  
(via Bill Smith, IA, DXLD)

## PROPAGATION - SOLAR CYCLE UPDATE: TWIN PEAKS?

NASA Space News March 1, 2013

Something unexpected is happening on the sun. 2013 is supposed to be the year of Solar Max, the peak of the 11-year sunspot cycle. Yet 2013 has arrived and solar activity is relatively low. Sunspot numbers are well below their values in 2011, and strong solar flares have been infrequent for many months.

The quiet has led some observers to wonder if forecasters missed the mark. Solar physicist Dean Pesnell of the Goddard Space Flight Center has a different explanation:

"This is solar maximum," he suggests. "But it looks different from what we expected because it is double peaked."

This fascinating article continues here

[http://science.nasa.gov/science-news/science-at-nasa/2013/01mar\\_twinpeaks/](http://science.nasa.gov/science-news/science-at-nasa/2013/01mar_twinpeaks/) and concludes "No one knows for sure what the sun will do next. It seems likely, though, that the end of 2013 could be a lot livelier than the beginning." (via Mike Terry, March 23, dxldyg via DXLD)

## SLUMBERING SUN SHOULD WAKE UP THIS YEAR

By Mike Wall | SPACE.com ñ 14 hrs ago

<http://news.yahoo.com/slumbering-sun-wake-134357020.html>

This image shows the Earth-facing surface of the Sun on February 28, 2013, as observed by the Helioseismic and Magnetic Imager (HMI) on NASA's Solar Dynamics Observatory. HMI observed just a few small sunspots on an otherwise clean face.

The sun should roar back to life sometime in 2013, producing its second activity peak in the last two years, scientists say.

Our star has been surprisingly quiet since unleashing a flurry of flares and other eruptions toward the end of 2011. But this lull is likely the trough between two peaks that together constitute "solar maximum" for the sun's current 11-year activity cycle, researchers say.

"If you look back in history, many of the previous solar cycles don't have one hump, one maximum, but in fact have two," solar physicist C. Alex Young, of NASA's Goddard Space Flight Center in Greenbelt, Md., said today (March 22) during a NASA webcast called "Solar MAX Storm Warning: Effects on the Solar System."

"That's what we think is going to happen," Young added. "So we've

reached one of those humps, and we think that eventually activity will pick back up and we'll see another hump of a double-humped solar maximum."

Before the twin peaks scenario began to gain adherents, many researchers had predicted that solar maximum for the current cycle, known as Solar Cycle 24, would come this May. But given how quiet the sun is at the moment, the second hump will likely occur later than that, and it could last into 2014, scientists have said.

Saying the sun is quiet right now, however, does not mean that it's lifeless. Indeed, our star blasted out a huge cloud of superheated plasma known as a coronal mass ejection (CME) on March 15.

This CME delivered a glancing blow to Earth two days later, sparking a mild geomagnetic storm that had no serious effects. Powerful CMEs that hit Earth squarely can spawn serious such storms, temporarily knocking out power grids, GPS signals and radio communications.

But CME effects aren't all negative. They can also supercharge Earth's auroras, also known as the northern and southern lights, giving skywatchers around the world a treat (via DXLD)

P.I.G. Bulletin 130324

Solar & Geomagnetic activity forecast the period Mar 25-Apr 18, 2013

Solar activity will decline to 90 s.f.u. to March 28.  
The increase is expected on the beginning of April.  
Solar flaring activity will be low.

Geomagnetic field will be:

quiet on March 26, April 1 - 3, 5, 7, 9,  
mostly quiet on March 25, 30 - 31, April 4, 10, 14 - 15  
quiet to unsettled on April 6, 8, 11, 18  
quiet to active on March 29, April 13, 16 - 17  
active to disturbed on March 27 - 28, April 12.

High probability of changes in solar wind which may cause changes in magnetosphere and ionosphere is expected on March 27 - 29 and on April (8 - 9,) 10 - 13

Remarks:

- Parenthesis means lower probability of activity enhancement.
- If during this year solar activity will not reach a similar or higher level as in November 2011, then 2012 remains maximum of 24 cycle (R = 70).

Petr Kolman OK1MGW, Czech Propagation Interest Group  
(OK1HH & OK1MGW, weekly forecasts since 1978)  
e-mail: kolmanp(at)razdva.cz (via Dario Monferini, DXLD)

:Product: Weekly Highlights and Forecasts  
:Issued: 2013 Mar 25 0252 UTC  
# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center  
# Product description and SWPC contact on the Web  
# <http://www.swpc.noaa.gov/weekly.html>  
#  
# Weekly Highlights and Forecasts  
#  
Highlights of Solar and Geomagnetic Activity 18 - 24 March 2013

Solar activity was very low to moderate. Low activity dominated the week with low level C-class flares observed on 18-20 and March. Activity increased to moderate levels on 21 March when Region 1692 (N09, L=077, class/area Dki/340 on 20 Mar) produced an M1flare at 21/2204 UTC. A filament eruption was observed around 19/1400 UTC from the area surrounding Region 1695 (N10, L=055, class/area Dao/180 on 18 Mar). A faint Earth-directed CME was associated with this event, as well as Type II (850 km/s) and Type IV radio sweeps. The period ended with very low levels on 23-24 March.

No proton events were observed at geosynchronous orbit. The period began with slightly enhanced proton levels due to residual effects from the 15 March CME but returned to background levels by 19 March.

The greater than 2 MeV electron flux at geosynchronous orbit was at moderate to high levels. Moderate levels were observed on 18-19 March followed by an increase to high levels on 20-23 March reaching a peak flux of 3,880 particle flux units (pfu) at 22/1640 UTC. Flux decayed to moderate levels on 24 March.

Geomagnetic field activity was at quiet to active levels. The period began with mostly quiet conditions from 18-20 March. An increase to quiet to active levels was observed on 21 March due to effects from the two CMEs related to filament activity on 17 March. Quiet conditions prevailed for the remainder of the period with the exception of an isolated active period at the close of 23 March. This increase in activity was possibly related to the weak CME observed on 19 March.

FORECAST OF SOLAR AND GEOMAGNETIC ACTIVITY 25 MARCH - 20 APRIL 2013

Solar activity is expected to be very low to low throughout the period. A slight chance for M-class activity is possible from 01-13

April when old Regions 1692, 1696 (N04, L=095) and 1698 (S19, L=118) return to the visible disk.

No proton events are expected at geosynchronous orbit. The greater than 2 MeV electron flux at geosynchronous orbit is expected to begin the period at normal to moderate levels. High levels are expected from 29 March-04 April due to recurrent coronal hole high speed stream effects (CH HSS). A return to normal to moderate levels is expected for the remainder of the period.

Geomagnetic field activity is expected to begin the period at mostly quiet levels. Quiet to active conditions with a chance for minor storm periods are expected on 28-30 March due to recurrent CH HSS effects.

:Product: 27-day Space Weather Outlook Table 27D0.txt

:Issued: 2013 Mar 25 0253 UTC

# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center

# Product description and SWPC contact on the Web

# <http://www.swpc.noaa.gov/wwire.html>

#

# 27-day Space Weather Outlook Table

# Issued 2013-03-25

#

| # | UTC         | Radio Flux | Planetary | Largest  |
|---|-------------|------------|-----------|----------|
| # | Date        | 10.7 cm    | A Index   | Kp Index |
|   | 2013 Mar 25 | 90         | 5         | 2        |
|   | 2013 Mar 26 | 90         | 5         | 2        |
|   | 2013 Mar 27 | 90         | 8         | 3        |
|   | 2013 Mar 28 | 95         | 18        | 4        |
|   | 2013 Mar 29 | 100        | 15        | 4        |
|   | 2013 Mar 30 | 105        | 8         | 3        |
|   | 2013 Mar 31 | 110        | 5         | 2        |
|   | 2013 Apr 01 | 110        | 5         | 2        |
|   | 2013 Apr 02 | 115        | 5         | 2        |
|   | 2013 Apr 03 | 120        | 5         | 2        |
|   | 2013 Apr 04 | 120        | 5         | 2        |
|   | 2013 Apr 05 | 120        | 5         | 2        |
|   | 2013 Apr 06 | 120        | 5         | 2        |
|   | 2013 Apr 07 | 120        | 5         | 2        |
|   | 2013 Apr 08 | 125        | 5         | 2        |
|   | 2013 Apr 09 | 125        | 5         | 2        |
|   | 2013 Apr 10 | 125        | 5         | 2        |
|   | 2013 Apr 11 | 120        | 5         | 2        |
|   | 2013 Apr 12 | 120        | 5         | 2        |
|   | 2013 Apr 13 | 120        | 5         | 2        |
|   | 2013 Apr 14 | 115        | 5         | 2        |
|   | 2013 Apr 15 | 110        | 5         | 2        |

|             |     |   |   |
|-------------|-----|---|---|
| 2013 Apr 16 | 105 | 5 | 2 |
| 2013 Apr 17 | 105 | 5 | 2 |
| 2013 Apr 18 | 100 | 5 | 2 |
| 2013 Apr 19 | 100 | 5 | 2 |
| 2013 Apr 20 | 95  | 5 | 2 |

(SWPC via WORLD OF RADIO 1662, DXLD)

### Geomagnetic Storm Alert

Tomas David Hood shared Space Weather and Radio Resources at  
HFRadio.org's photo on Facebook.

Geomagnetic Storm Alert: A low-latitude coronal hole (dark region in this image) is approaching the central meridian of the solar disk and the associated fast-speed stream is expected to impact the Earth on 28 March. The solar wind speed and geomagnetic activity were enhanced at the same time during the previous solar rotation cycle. Unsettled to Active levels are expected on 28 March with isolated cases of Minor Storm levels at high latitudes (via Mike Terry, March 26, dxldyg via DXLD) ###